

```

0000      10      *= $E400
      =7000      15      .SET 6,-$9000
      =E459      20 SIOV  = $E459
      =E45C      25 SETVBV = $E45C
      =E468      30 SENDEV = $E468
5400 FBF3      35 EDITOR .WORD $F3FC-1
5402 33F6      40      .WORD $F634-1
5404 3DF6      45      .WORD $F63E-1
5406 A3F6      50      .WORD $F6A4-1
5408 33F6      55      .WORD $F634-1
540A 3CF6      60      .WORD $F63D-1
540C 4CD0F3    65      JMP $F3D0 ;PWRONA
540F 00        70      .BYTE 0
5410 F5F3      75 DISPLA .WORD $F3F6-1
5412 33F6      80      .WORD $F634-1
5414 92F5      85      .WORD $F593-1
5416 B6F5      90      .WORD $F5B7-1
5418 33F6      95      .WORD $F634-1
541A DCFC      0100     .WORD $FCDD-1
541C 4CD0F3    0105     JMP $F3D0
541F 00        0110     .BYTE 0
5420 33F6      0115 KBDHND .WORD $F634-1
5422 33F6      0120     .WORD $F634-1
5424 E1F6      0125     .WORD $F6E2-1
5426 3CF6      0130     .WORD $F63D-1
5428 33F6      0135     .WORD $F634-1
542A 3CF6      0140     .WORD $F63D-1
542C 4CD0F3    0145     JMP $F3D0
542F 00        0150     .BYTE 0
5430 9EEE      0155 PTRHND .WORD PHOPEN-1
5432 DBEE      0160     .WORD PHCLOS-1
5434 9DEE      0165     .WORD BADST-1
5436 A6EE      0170     .WORD PHWRIT-1
5438 80EE      0175     .WORD PHSTAT-1
543A 9DEE      0180     .WORD BADST-1
543C 4C78EE    0185     JMP PHINIT
543F 00        0190     .BYTE 0
5440 4BEF      0195 CASHND .WORD OPENC-1
5442 2AF0      0200     .WORD $F02B-1
5444 D5EF      0205     .WORD GBYTE-1
5446 OFF0      0210     .WORD $F010-1
5448 27F0      0215     .WORD $F028-1
544A 4AEF      0220     .WORD SPECIA-1
544C 4C41EF    0225     JMP INIT
544F 00        0230     .BYTE 0
5450 4CEAED    0235     JMP DINIT
5453 4CF0ED    0240     JMP DSKIF
5456 4CC4E4    0245     JMP CIO
5459 4C59E9    0250     JMP SIO
545C 4CEDE8    0255     JMP SETVBL
545F 4CAEE7    0260     JMP SYSVBL
5462 4C05E9    0265     JMP XITVBL
5465 4C44E9    0270     JMP SIOINT
5468 4CF2EB    0275     JMP SENDEN
546B 4CD5E6    0280     JMP IHINIT
546E 4CA6E4    0285     JMP CIOINT
5471 4CC9F2    0290     JMP BLACKB

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5474	4C1BF1	0295	JMP RESET
5477	4C25F1	0300	JMP FWRUP
547A	4CE9EF	0305	JMP RBLOK
547D	4C5DEF	0310	JMP OPINF
5480	90E7	0315	.WORD SYRTI
5482	8FE7	0320	.WORD SYIRQB
5484	8FE7	0325	.WORD SYIRQB
5486	8FE7	0330	.WORD SYIRQB
5488	BEFF	0335	.WORD \$FFBE
548A	0FEB	0340	.WORD ISRSIR
548C	90EA	0345	.WORD ISRODN
548E	CFEA	0350	.WORD ISRTD
5490	8FE7	0355	.WORD SYIRQB
5492	8FE7	0360	.WORD SYIRQB
5494	8FE7	0365	.WORD SYIRQB
5496	06E7	0370	.WORD SYIRQ
5498	00000000	0375	.BYTE 0,0,0,0,0,0,0,0,0,0
549C	00000000		
54A0	0000		
54A2	AEE7	0380	.WORD SYSVBL
54A4	05E9	0385	.WORD XITVBL
54A6	A200	0390	CIDINT LDX #0
54A8	A9FF	0395	CIOI1 LDA #\$FF
54AA	9D4003	0400	STA \$0340,X
54AD	A9C0	0405	LDA #\$C0
54AF	9D4603	0410	STA \$0346,X
54B2	A9E4	0415	LDA #\$E4
54B4	9D4703	0420	STA \$0347,X
54B7	8A	0425	TXA
54B8	18	0430	CLC
54B9	6910	0435	ADC #\$10
54BB	AA	0440	TAX
54BC	C980	0445	CMP #\$80
54BE	90E8	0450	BCC CIOI1
54C0	60	0455	RTS
	=E4C0	0460	ERRTN = \$E4C0
	=00E4	0465	ERRTNH = \$E4
	=00C0	0470	ERRTNL = \$C0
54C1	A085	0475	LDY #\$85
54C3	60	0480	RTS
54C4	852F	0485	CID STA \$2F
54C6	862E	0490	STX \$2E
54C8	8A	0495	TXA
54C9	290F	0500	AND #\$0F
54CB	D004	0505	BNE CIERR1
54CD	E080	0510	CPX #\$80
54CF	9005	0515	BCC IOC1
54D1	A086	0520	CIERR1 LDY #\$86
54D3	4C1BE6	0525	JMP CIRTN1
54D6	A000	0530	IOC1 LDY #0
54D8	BD4003	0535	IOC1A LDA \$0340,X
54DB	992000	0540	STA \$20,Y
54DE	E8	0545	INX
54DF	C8	0550	INY
54E0	C00C	0555	CPY #12
54E2	90F4	0560	BCC IOC1A
54E4	A084	0565	LDY #\$84
54E6	A522	0570	LDA \$22

54E8 C903	0575	CMF #3
54EA 9025	0580	BCC CIERR4
54EC A8	0585	TAY
54ED C00E	0590	CPY ##0E
54EF 9002	0595	BCC IOC2
54F1 A00E	0600	LDY ##0E
54F3 8417	0605	IOC2 STY #17
54F5 B9C6E6	0610	LDA COMTAB-3,Y
54F8 F00F	0615	BEQ CIOPEN
54FA C902	0620	CMF #2
54FC F035	0625	BEQ CICLOS
54FE C908	0630	CMF #8
5500 B04C	0635	BCS CISTSP
5502 C904	0640	CMF #4
5504 F063	0645	BEQ CIREAD
5506 4CC9E5	0650	JMP CIWRIT
5509 A520	0655	CIOPEN LDA #20
550B C9FF	0660	CMF ##FF
550D F005	0665	BEQ IOC6
550F A081	0670	CIERR3 LDY ##81
5511 4C1BE6	0675	CIERR4 JMP CIRTN1
5514 209EE6	0680	IOC6 JSR DEVSRC
5517 B0F8	0685	BCS CIERR4
5519 203DE6	0690	IOC7 JSR COMENT
551C B0F3	0695	BCS CIERR4
551E 2089E6	0700	JSR GOHAND
5521 A90B	0705	LDA ##0B
5523 8517	0710	STA #17
5525 203DE6	0715	JSR COMENT
5528 A52C	0720	LDA #2C
552A 8526	0725	STA #26
552C A52D	0730	LDA #2D
552E 8527	0735	STA #27
5530 4C1DE6	0740	JMP CIRTN2
5533 A001	0745	CICLOS LDY #1
5535 8423	0750	STY #23
5537 203DE6	0755	JSR COMENT
553A B003	0760	BCS CICLO2
553C 2089E6	0765	JSR GOHAND
553F A9FF	0770	CICLO2 LDA ##FF
5541 8520	0775	STA #20
5543 A9E4	0780	LDA #ERRTNH
5545 8527	0785	STA #27
5547 A9C0	0790	LDA #ERRTNL
5549 8526	0795	STA #26
554B 4C1DE6	0800	JMP CIRTN2
554E A520	0805	CISTSP LDA #20
5550 C9FF	0810	CMF ##FF
5552 D005	0815	BNE CIST1
5554 209EE6	0820	JSR DEVSRC
5557 B0B8	0825	BCS CIERR4
5559 203DE6	0830	CIST1 JSR COMENT
555C 2089E6	0835	JSR GOHAND
555F A62E	0840	LDX #2E
5561 BD4003	0845	LDA #0340,X
5564 8520	0850	STA #20
5566 4C1DE6	0855	JMP CIRTN2
5569 A522	0860	CIREAD LDA #22

556B 252A	0865	AND \$2A
556D D005	0870	BNE RCI1A
556F A083	0875	LDY ##83
5571 4C1BE6	0880	RCI1B JMP CIRTN1
5574 203DE6	0885	RCI1A JSR COMENT
5577 B0F8	0890	BCS RCI1B
5579 A528	0895	LDA \$28
557B 0529	0900	DRA \$29
557D D008	0905	BNE RCI3
557F 2089E6	0910	JSR GOHAND
5582 852F	0915	STA \$2F
5584 4C1DE6	0920	JMP CIRTN2
5587 2089E6	0925	RCI3 JSR GOHAND
558A 852F	0930	STA \$2F
558C 3035	0935	BMI RCI4
558E A000	0940	LDY #0
5590 9124	0945	STA (\$24),Y
5592 2070E6	0950	JSR INCBFP
5595 A522	0955	LDA \$22
5597 2902	0960	AND #2
5599 D00C	0965	BNE RCI1
559B A52F	0970	LDA \$2F
559D C99B	0975	CMP ##9B
559F D006	0980	BNE RCI1
55A1 2063E6	0985	JSR DECBFL
55A4 4CC3E5	0990	JMP RCI4
55A7 2063E6	0995	RCI1 JSR DECBFL
55AA D0DB	1000	BNE RCI3
55AC A522	1005	RCI2 LDA \$22
55AE 2902	1010	AND #2
55B0 D011	1015	BNE RCI4
55B2 2089E6	1020	RCI6 JSR GOHAND
55B5 852F	1025	STA \$2F
55B7 300A	1030	BMI RCI4
55B9 A52F	1035	LDA \$2F
55BB C99B	1040	CMP ##9B
55BD D0F3	1045	BNE RCI6
55BF A989	1050	RCI11 LDA ##89
55C1 8523	1055	STA \$23
55C3 2077E6	1060	RCI4 JSR SUBBFL
55C6 4C1DE6	1065	JMP CIRTN2
55C9 A522	1070	CIWRIT LDA \$22
55CB 252A	1075	AND \$2A
55CD D005	1080	BNE WCI1A
55CF A087	1085	LDY ##87
55D1 4C1BE6	1090	WCI1B JMP CIRTN1
55D4 203DE6	1095	WCI1A JSR COMENT
55D7 B0F8	1100	BCS WCI1B
55D9 A528	1105	LDA \$28
55DB 0529	1110	DRA \$29
55DD D006	1115	BNE WCI3
55DF A52F	1120	LDA \$2F
55E1 E628	1125	INC \$28
55E3 D006	1130	BNE WCI4
55E5 A000	1135	WCI3 LDY #0
55E7 B124	1140	LDA (\$24),Y
55E9 852F	1145	STA \$2F
55EB 2089E6	1150	WCI4 JSR GOHAND

55EE 3025	1155 BMI WCI5
55F0 2070E6	1160 JSR INCBFP
55F3 A522	1165 LDA #22
55F5 2902	1170 AND #2
55F7 D00C	1175 BNE WCI1
55F9 A52F	1180 LDA #2F
55FB C99B	1185 CMP ##9B
55FD D006	1190 BNE WCI1
55FF 2063E6	1195 JSR DECBFL
5602 4C15E6	1200 JMP WCI5
5605 2063E6	1205 WCI1 JSR DECBFL
5608 D0DB	1210 BNE WCI3
560A A522	1215 WCI2 LDA #22
560C 2902	1220 AND #2
560E D005	1225 BNE WCI5
5610 A99B	1230 LDA ##9B
5612 2089E6	1235 JSR GOHAND
5615 2077E6	1240 WCI5 JSR SUBBFL
5618 4C1DE6	1245 JMP CIRTN2
561B 8423	1250 CIRTN1 STY #23
561D A42E	1255 CIRTN2 LDY #2E
561F B94403	1260 LDA #0344,Y
5622 8524	1265 STA #24
5624 B94503	1270 LDA #0345,Y
5627 8525	1275 STA #25
5629 A200	1280 LDX #0
562B B520	1285 CIRT3 LDA #20,X
562D 994003	1290 STA #0340,Y
5630 E8	1295 INX
5631 C8	1300 INY
5632 E00C	1305 CPX #12
5634 90F5	1310 BCC CIRT3
5636 A52F	1315 LDA #2F
5638 A62E	1320 LDX #2E
563A A423	1325 LDY #23
563C 60	1330 RTS
563D A420	1335 COMENT LDY #20
563F C022	1340 CPY ##21+1
5641 9004	1345 BCC COM1
5643 A085	1350 LDY ##85
5645 B01B	1355 BCS COM2
5647 B91B03	1360 COM1 LDA #031B,Y
564A 852C	1365 STA #2C
564C B91C03	1370 LDA #031C,Y
564F 852D	1375 STA #2D
5651 A417	1380 LDY #17
5653 B9C6E6	1385 LDA COMTAB-3,Y
5656 A8	1390 TAY
5657 B12C	1395 LDA (#2C),Y
5659 AA	1400 TAX
565A C8	1405 INY
565B B12C	1410 LDA (#2C),Y
565D 852D	1415 STA #2D
565F 862C	1420 STX #2C
5661 18	1425 CLC
5662 60	1430 COM2 RTS
5663 C628	1435 DECBFL DEC #28
5665 A528	1440 LDA #28

5667	C9FF	1445	CMP ##FF
5669	D002	1450	BNE DECBF1
566B	C629	1455	DEC \$29
566D	0529	1460	DECBF1 ORA \$29
566F	60	1465	RTS
5670	E624	1470	INCBFP INC \$24
5672	D002	1475	BNE INCBF1
5674	E625	1480	INC \$25
5676	60	1485	INCBF1 RTS
5677	A62E	1490	SUBBFL LDX \$2E
5679	38	1495	SEC
567A	BD4803	1500	LDA \$0348,X
567D	E528	1505	SBC \$28
567F	8528	1510	STA \$28
5681	BD4903	1515	LDA \$0349,X
5684	E529	1520	SBC \$29
5686	8529	1525	STA \$29
5688	60	1530	RTS
5689	A092	1535	GOHAND LDY ##92
568B	2093E6	1540	JSR CIJUMP
568E	8423	1545	STY \$23
5690	C000	1550	CPY #0
5692	60	1555	RTS
5693	AA	1560	CIJUMP TAX
5694	A52D	1565	LDA \$2D
5696	48	1570	PHA
5697	A52C	1575	LDA \$2C
5699	48	1580	PHA
569A	8A	1585	TXA
569B	A62E	1590	LDX \$2E
569D	60	1595	RTS
569E	A000	1600	DEVSRCLDY #0
56A0	B124	1605	LDA (\$24),Y
56A2	F00C	1610	BEQ CIERR2
56A4	A021	1615	LDY ##21
56A6	D91A03	1620	DEV51 CMP \$031A,Y
56A9	F00A	1625	BEQ DEV52
56AB	88	1630	DEY
56AC	88	1635	DEY
56AD	88	1640	DEY
56AE	10F6	1645	BPL DEV51
56B0	A082	1650	CIERR2 LDY ##82
56B2	38	1655	SEC
56B3	B013	1660	BCS DEV54
56B5	98	1665	DEV52 TYA
56B6	8520	1670	STA \$20
56B8	38	1675	SEC
56B9	A001	1680	LDY #1
56BB	B124	1685	LDA (\$24),Y
56BD	E930	1690	SBC ##30
56BF	C90A	1695	CMP ##0A
56C1	9002	1700	BCC DEV53
56C3	A901	1705	LDA #1
56C5	8521	1710	DEV53 STA \$21
56C7	18	1715	CLC
56C8	60	1720	DEV54 RTS
56C9	00040404	1725	COMTAB .BYTE 0,4,4,4,4,6
56CD	0406		

56CF 06060602	1730	.BYTE 6,6,6,2,8,10
56D3 080A		
56D5 A940	1735	IHINIT LDA ##40
56D7 8D0ED4	1740	STA #D40E
56DA AD13D0	1745	LDA #D013
56DD 8DFA03	1750	STA #03FA
56E0 60	1755	RTS
56E1	1760	*= \$E6F3
56F3 6C1602	1765	PIRQ JMP (#0216)
56F6 80400402	1770	CMPTAB .BYTE \$80,\$40,4,2,1,8,\$10,\$20
56FA 01081020		
56FE 36081412	1775	ADRTAB .BYTE \$36,8,\$14,\$12,\$10,\$0E,\$0C,\$0A
5702 100E0C0A		
5706 48	1780	SYIRQ PHA
5707 ADOED2	1785	LDA #D20E
570A 2920	1790	AND ##20
570C D00D	1795	BNE SYIRQ2
570E A9DF	1800	LDA ##DF
5710 8D0ED2	1805	STA #D20E
5713 A510	1810	LDA \$10
5715 8D0ED2	1815	STA #D20E
5718 6C0A02	1820	JMP (#020A)
571B 8A	1825	SYIRQ2 TXA
571C 48	1830	PHA
571D A206	1835	LDX #6
571F BDF6E6	1840	LOOPM LDA CMPTAB,X
5722 E005	1845	CPX #5
5724 D004	1850	BNE LOOPM2
5726 2510	1855	AND \$10
5728 F005	1860	BEQ LL
572A 2C0ED2	1865	LOOPM2 BIT #D20E
572D F006	1870	BEQ JMPP
572F CA	1875	LL DEX
5730 10ED	1880	BPL LOOPM
5732 4C62E7	1885	JMP SYIRQ8
5735 49FF	1890	JMPP EOR ##FF
5737 8D0ED2	1895	STA #D20E
573A A510	1900	LDA \$10
573C 8D0ED2	1905	STA #D20E
573F BDFEE6	1910	LDA ADRTAB,X
5742 AA	1915	TAX
5743 BD0002	1920	LDA \$0200,X
5746 8D8C02	1925	STA \$028C
5749 BD0102	1930	LDA \$0200+1,X
574C 8D8D02	1935	STA \$028D
574F 68	1940	FLA
5750 AA	1945	TAX
5751 6C8C02	1950	JMP (\$028C)
5754 A900	1955	BRKKY2 LDA #0
5756 8511	1960	STA \$11
5758 8DFF02	1965	STA \$02FF
575B 8DF002	1970	STA \$02F0
575E 854D	1975	STA \$4D
5760 68	1980	FLA
5761 40	1985	RTI
5762 68	1990	SYIRQ8 FLA
5763 AA	1995	TAX
5764 2C02D3	2000	BIT \$D302

5767	1006	2005	BPL SYIRQ9
5769	AD00D3	2010	LDA \$D300
576C	6C0202	2015	JMP (\$0202)
576F	2C03D3	2020	SYIRQ9 BIT \$D303
5772	1006	2025	BPL SYIRQA
5774	AD01D3	2030	LDA \$D301
5777	6C0402	2035	JMP (\$0204)
577A	68	2040	SYIRQA PLA
577B	8D8C02	2045	STA \$028C
577E	68	2050	PLA
577F	48	2055	PHA
5780	2910	2060	AND #\$10
5782	F007	2065	BEG SYRTI2
5784	AD8C02	2070	LDA \$028C
5787	48	2075	PHA
5788	6C0602	2080	JMP (\$0206)
578B	AD8C02	2085	SYRTI2 LDA \$028C
578E	48	2090	PHA
578F	68	2095	SYIRQB PLA
5790	40	2100	SYRTI RTI
5791	2C0FD4	2105	PNMI BIT \$D40F
5794	1003	2110	BPL PNMI1
5796	6C0002	2115	JMP (\$0200)
5799	48	2120	PNMI1 PHA
579A	AD0FD4	2125	LDA \$D40F
579D	2920	2130	AND #\$20
579F	F003	2135	BEG *+5
57A1	4C74E4	2140	JMP \$E474
57A4	8A	2145	TXA
57A5	48	2150	PHA
57A6	98	2155	TYA
57A7	48	2160	PHA
57A8	8D0FD4	2165	STA \$D40F
57AB	6C2202	2170	JMP (\$0222)
57AE	E614	2175	SYSVBL INC \$14
57B0	D008	2180	BNE SYSVB1
57B2	E64D	2185	INC \$4D
57B4	E613	2190	INC \$13
57B6	D002	2195	BNE SYSVB1
57B8	E612	2200	INC \$12
57BA	A9FE	2205	SYSVB1 LDA #\$FE
57BC	A200	2210	LDX #0
57BE	A44D	2215	LDY \$4D
57C0	1006	2220	BPL VBATRA
57C2	854D	2225	STA \$4D
57C4	A613	2230	LDX \$13
57C6	A9F6	2235	LDA #\$F6
57C8	854E	2240	VBATRA STA \$4E
57CA	864F	2245	STX \$4F
57CC	A200	2250	LDX #0
57CE	20D0E8	2255	JSR DCTIMR
57D1	D003	2260	BNE SYSVB2
57D3	20CAE8	2265	JSR JTIMR1
57D6	A542	2270	SYSVB2 LDA \$42
57D8	D008	2275	BNE XXIT
57DA	BA	2280	TSX
57DB	BD0401	2285	LDA \$0104,X
57DE	2904	2290	AND #4

57E0	F003	2295	BEQ SYSVB3
57E2	4C05E9	2300	XXIT JMP XITVBL
57E5	AD0DD4	2305	SYSVB3 LDA #D40D
57E8	8D3502	2310	STA #0235
57EB	AD0CD4	2315	LDA #D40C
57EE	8D3402	2320	STA #0234
57F1	AD3102	2325	LDA #0231
57F4	8D03D4	2330	STA #D403
57F7	AD3002	2335	LDA #0230
57FA	8D02D4	2340	STA #D402
57FD	AD2F02	2345	LDA #022F
5800	8D00D4	2350	STA #D400
5803	AD6F02	2355	LDA #026F
5806	8D1BD0	2360	STA #D01B
5809	A208	2365	LDX #8
580B	8E1FD0	2370	STX #D01F
580E	58	2375	SCOLLF CLI
580F	BDC002	2380	LDA #02C0,X
5812	454F	2385	EOR #4F
5814	254E	2390	AND #4E
5816	9D12D0	2395	STA #D012,X
5819	CA	2400	DEX
581A	10F2	2405	BPL SCOLLF
581C	ADF402	2410	LDA #02F4
581F	8D09D4	2415	STA #D409
5822	ADF302	2420	LDA #02F3
5825	8D01D4	2425	STA #D401
5828	A202	2430	LDX #2
582A	20D0E8	2435	JSR DCTIMR
582D	D003	2440	BNE SYSVB4
582F	20CDE8	2445	JSR JTIMR2
5832	A202	2450	SYSVB4 LDX #2
5834	E8	2455	SYSVBB INX
5835	E8	2460	INX
5836	BD1802	2465	LDA #0218,X
5839	1D1902	2470	ORA #0219,X
583C	F006	2475	BEQ SYSVBA
583E	20D0E8	2480	JSR DCTIMR
5841	9D2602	2485	STA #0226,X
5844	E008	2490	SYSVBA CPX #8
5846	DOEC	2495	BNE SYSVBB
5848	AD0FD2	2500	LDA #D20F
584B	2904	2505	AND #4
584D	F008	2510	BEQ SYVB6A
584F	ADF102	2515	LDA #02F1
5852	F003	2520	BEQ SYVB6A
5854	CEF102	2525	DEC #02F1
5857	AD2B02	2530	SYVB6A LDA #022B
585A	F017	2535	BEQ SYSVB7
585C	AD0FD2	2540	LDA #D20F
585F	2904	2545	AND #4
5861	D060	2550	BNE SYSVB6
5863	CE2B02	2555	DEC #022B
5866	D00B	2560	BNE SYSVB7
5868	A903	2565	LDA #3
586A	8D2B02	2570	STA #022B
586D	AD09D2	2575	LDA #D209
5870	8DFC02	2580	STA #02FC

5873	A000	2585	SYSVB7 LDY #0
5875	A201	2590	LDX #1
5877	B900D3	2595	STLOOP LDA \$D300,Y
587A	4A	2600	LSR A
587B	4A	2605	LSR A
587C	4A	2610	LSR A
587D	4A	2615	LSR A
587E	9D7802	2620	STA \$0278,X
5881	CA	2625	DEX
5882	B900D3	2630	LDA \$D300,Y
5885	290F	2635	AND #\$0F
5887	9D7802	2640	STA \$0278,X
588A	CA	2645	DEX
588B	88	2650	DEY
588C	10E9	2655	BPL STLOOP
588E	A203	2660	LDX #3
5890	BD10D0	2665	STRL LDA \$D010,X
5893	9D8402	2670	STA \$0284,X
5896	BD00D2	2675	LDA \$D200,X
5899	9D7002	2680	STA \$0270,X
589C	BD04D2	2685	LDA \$D204,X
589F	9D7402	2690	STA \$0274,X
58A2	CA	2695	DEX
58A3	10EB	2700	BPL STRL
58A5	8D0BD2	2705	STA \$D20B
58A8	A206	2710	LDX #6
58AA	A003	2715	LDY #3
58AC	B97802	2720	PTRLF LDA \$0278,Y
58AF	4A	2725	LSR A
58B0	4A	2730	LSR A
58B1	4A	2735	LSR A
58B2	9D7D02	2740	STA \$027D,X
58B5	A900	2745	LDA #0
58B7	2A	2750	ROL A
58B8	9D7C02	2755	STA \$027C,X
58BB	CA	2760	DEX
58BC	CA	2765	DEX
58BD	88	2770	DEY
58BE	10EC	2775	BPL PTRLF
58C0	6C2402	2780	JMP (\$0224)
	=00E8	2785	SV7H = SYSVB7/256
	=0073	2790	SV7L = SYSVB7&255
58C3	A900	2795	SYSVB6 LDA #0
58C5	8D2B02	2800	STA \$022B
58C8	FOA9	2805	BEG SYSVB7
58CA	6C2602	2810	JTIMR1 JMP (\$0226)
58CD	6C2802	2815	JTIMR2 JMP (\$0228)
58D0	BC1802	2820	DCTIMR LDY \$0218,X
58D3	D008	2825	BNE DCTIM1
58D5	BC1902	2830	LDY \$0219,X
58D8	FO10	2835	BEG DCTXF
58DA	DE1902	2840	DEC \$0219,X
58DD	DE1802	2845	DCTIM1 DEC \$0218,X
58E0	D008	2850	BNE DCTXF
58E2	BC1902	2855	LDY \$0219,X
58E5	D003	2860	BNE DCTXF
58E7	A900	2865	LDA #0
58E9	60	2870	RTS

58EA A9FF	2875 DCTXF LDA ##FF
58EC 60	2880 RTS
58ED 0A	2885 SETVBL ASL A
58EE 8D2D02	2890 STA \$022D
58F1 8A	2895 TXA
58F2 A205	2900 LDX #5
58F4 8D0AD4	2905 STA \$D40A
58F7 CA	2910 SETLOP DEX
58F8 D0FD	2915 BNE SETLOP
58FA AE2D02	2920 LDX \$022D
58FD 9D1702	2925 STA \$0217,X
5900 98	2930 TYA
5901 9D1602	2935 STA \$0216,X
5904 60	2940 RTS
5905 68	2945 XITVBL PLA
5906 A8	2950 TAY
5907 68	2955 PLA
5908 AA	2960 TAX
5909 68	2965 PLA
590A 40	2970 RTI
590B 66667E66	2975 .BYTE \$66,\$66,\$7E,\$66,0,0,\$7C
590F 00007C	
5912 4CEDE8	2980 JMP \$E8ED
5915 A22D	2985 TSTCTL LDX #45
5917 BDCEFE	2990 TSTCT1 LDA \$FECE,X
591A CDFB02	2995 CMP \$02FB
591D F005	3000 BEQ TSTCT2
591F CA	3005 DEX
5920 CA	3010 DEX
5921 CA	3015 DEX
5922 10F3	3020 BPL TSTCT1
5924 60	3025 TSTCT2 RTS
5925	3030 *= \$E925
5925 A03F	3035 HWMCH LDY ##3F ;TEST MY WAY
5927 8405	3040 STY \$05
5929 8406	3045 STY \$06
592B B105	3050 HWMCH LDA (\$05),Y
592D 49FF	3055 EOR ##FF
592F 9105	3060 STA (\$05),Y
5931 D105	3065 CMP (\$05),Y
5933 D008	3070 BNE ENDRAM
5935 49FF	3075 EOR ##FF
5937 9105	3080 STA (\$05),Y
5939 E606	3085 INC \$06
593B D0EE	3090 BNE HWMCH
593D 60	3095 ENDRAM RTS
593E	3100 *= \$E944
5944 A93C	3105 SIDINT LDA ##3C
5946 8D02D3	3110 STA \$D302
5949 A93C	3115 LDA ##3C
594B 8D03D3	3120 STA \$D303
594E A903	3125 LDA #3
5950 8D3202	3130 STA \$0232
5953 8541	3135 STA \$41
5955 8D0FD2	3140 STA \$D20F
5958 60	3145 RTS
5959 BA	3150 SID TSX
595A 8E1803	3155 STX \$0318

595D	A901	3160	LDA #1
595F	8542	3165	STA #42
5961	AD0003	3170	LDA #0300
5964	C960	3175	CMF ##60
5966	D003	3180	BNE NOTCST
5968	4C80EB	3185	JMP CASENT
596B	A900	3190	NOTCST LDA #0
596D	8D0F03	3195	STA #030F
5970	A901	3200	LDA #1
5972	8537	3205	STA #37
5974	A90D	3210	COMMND LDA ##0D
5976	8536	3215	STA #36
5978	A928	3220	COMFRM LDA ##28
597A	8D04D2	3225	STA #D204
597D	A900	3230	LDA #0
597F	8D06D2	3235	STA #D206
5982	18	3240	CLC
5983	AD0003	3245	LDA #0300
5986	6D0103	3250	ADC #0301
5989	69FF	3255	ADC ##FF
598B	8D3A02	3260	STA #023A
598E	AD0203	3265	LDA #0302
5991	8D3B02	3270	STA #023B
5994	AD0A03	3275	LDA #030A
5997	8D3C02	3280	STA #023C
599A	AD0B03	3285	LDA #030B
599D	8D3D02	3290	STA #023D
59A0	18	3295	CLC
59A1	A93A	3300	LDA ##3A
59A3	8532	3305	STA #32
59A5	6904	3310	ADC #4
59A7	8534	3315	STA #34
59A9	A902	3320	LDA #2
59AB	8533	3325	STA #33
59AD	8535	3330	STA #35
59AF	A934	3335	LDA ##34
59B1	8D03D3	3340	STA #D303
59B4	208AEC	3345	JSR SENDIN
59B7	AD3F02	3350	LDA #023F
59BA	D003	3355	BNE BADCOM
59BC	98	3360	TYA
59BD	D007	3365	BNE ACKREC
59BF	C636	3370	BADCOM DEC #36
59C1	10B5	3375	BPL COMFRM
59C3	4C06EA	3380	JMP DERR1
59C6	AD0303	3385	ACKREC LDA #0303
59C9	100C	3390	BPL WATCOM
59CB	A90D	3395	LDA ##0D
59CD	8536	3400	STA #36
59CF	206AEB	3405	JSR LDPNTR
59D2	208AEC	3410	JSR SENDIN
59D5	F0E8	3415	BEQ BADCOM
59D7	2075EC	3420	WATCOM JSR STTMOT
59DA	A900	3425	LDA #0
59DC	8D3F02	3430	STA #023F
59DF	209BEC	3435	JSR WAITER
59E2	F012	3440	BEQ DERR
59E4	2C0303	3445	BIT #0303

59E7	7007	3450	BVS MODATA
59E9	AD3F02	3455	LDA #023F
59EC	D018	3460	BNE DERR1
59EE	F01D	3465	BEQ RETURN
59F0	206AEB	3470	MODATA JSR LDPNTR
59F3	20E0EA	3475	JSR RECEIV
59F6	AD3F02	3480	DERR LDA #023F
59F9	F005	3485	BEQ NOTERR
59FB	AD1903	3490	LDA #0319
59FE	8530	3495	STA #30
5A00	A530	3500	NOTERR LDA #30
5A02	C901	3505	CMP #1
5A04	F007	3510	BEQ RETURN
5A06	C637	3515	DERR1 DEC #37
5A08	3003	3520	BMI RETURN
5A0A	4C74E9	3525	JMP COMMND
5A0D	205FEC	3530	RETURN JSR SENDDS
5A10	A900	3535	LDA #0
5A12	8542	3540	STA #42
5A14	A430	3545	LDY #30
5A16	8C0303	3550	STY #0303
5A19	60	3555	RTS
5A1A	A900	3560	WAIT LDA #0
5A1C	8D3F02	3565	STA #023F
5A1F	18	3570	CLC
5A20	A93E	3575	LDA ##3E
5A22	8532	3580	STA #32
5A24	6901	3585	ADC #1
5A26	8534	3590	STA #34
5A28	A902	3595	LDA #2
5A2A	8533	3600	STA #33
5A2C	8535	3605	STA #35
5A2E	A9FF	3610	LDA ##FF
5A30	853C	3615	STA #3C
5A32	20E0EA	3620	JSR RECEIV
5A35	A0FF	3625	LDY ##FF
5A37	A530	3630	LDA #30
5A39	C901	3635	CMP #1
5A3B	D019	3640	BNE NWOK
5A3D	AD3E02	3645	WOK LDA #023E
5A40	C941	3650	CMP ##41
5A42	F021	3655	BEQ GOOD
5A44	C943	3660	CMP ##43
5A46	F01D	3665	BEQ GOOD
5A48	C945	3670	CMP ##45
5A4A	D006	3675	BNE NOTDER
5A4C	A990	3680	LDA ##90
5A4E	8530	3685	STA #30
5A50	D004	3690	BNE NWOK
5A52	A98B	3695	NOTDER LDA ##8B
5A54	8530	3700	STA #30
5A56	A530	3705	NWOK LDA #30
5A58	C98A	3710	CMP ##8A
5A5A	F007	3715	BEQ BAD
5A5C	A9FF	3720	LDA ##FF
5A5E	8D3F02	3725	STA #023F
5A61	D002	3730	BNE GOOD
5A63	A000	3735	BAD LDY #0

5A65	A530	3740	GOOD LDA #30
5A67	8D1903	3745	STA #0319
5A6A	60	3750	RTS
5A6B	A901	3755	SEND LDA #1
5A6D	8530	3760	STA #30
5A6F	20F2EB	3765	JSR SENDEN
5A72	A000	3770	LDY #0
5A74	8431	3775	STY #31
5A76	843B	3780	STY #3B
5A78	843A	3785	STY #3A
5A7A	B132	3790	LDA (#32),Y
5A7C	8D0DD2	3795	STA #D20D
5A7F	8531	3800	STA #31
5A81	A511	3805	NOTDON LDA #11
5A83	D003	3810	BNE NTBRKO
5A85	4CA0ED	3815	JMP BROKE
5A88	A53A	3820	NTBRKO LDA #3A
5A8A	F0F5	3825	BEQ NOTDON
5A8C	205FEC	3830	JSR SENDDS
5A8F	60	3835	RTS
5A90	98	3840	ISRODN TYA
5A91	48	3845	PHA
5A92	E632	3850	INC #32
5A94	D002	3855	BNE NOWRPO
5A96	E633	3860	INC #33
5A98	A532	3865	NOWRPO LDA #32
5A9A	C534	3870	CMP #34
5A9C	A533	3875	LDA #33
5A9E	E535	3880	SBC #35
5AA0	901C	3885	BCC NOTEND
5AA2	A53B	3890	LDA #3B
5AA4	D00B	3895	BNE RELONE
5AA6	A531	3900	LDA #31
5AA8	8D0DD2	3905	STA #D20D
5AAB	A9FF	3910	LDA ##FF
5AAD	853B	3915	STA #3B
5AAF	D009	3920	BNE CHKDON
5AB1	A510	3925	RELONE LDA #10
5AB3	0908	3930	ORA #8
5AB5	8510	3935	STA #10
5AB7	8D0ED2	3940	STA #D20E
5ABA	68	3945	CHKDON PLA
5ABB	A8	3950	TAY
5ABC	68	3955	PLA
5ABD	40	3960	RTI
5ABE	A000	3965	NOTEND LDY #0
5AC0	B132	3970	LDA (#32),Y
5AC2	8D0DD2	3975	STA #D20D
5AC5	18	3980	CLC
5AC6	6531	3985	ADC #31
5AC8	6900	3990	ADC #0
5ACA	8531	3995	STA #31
5ACC	4CBAEA	4000	JMP CHKDON
5ACF	A53B	4005	ISRTD LDA #3B
5AD1	F00B	4010	BEQ F00EY
5AD3	853A	4015	STA #3A
5AD5	A510	4020	LDA #10
5AD7	29F7	4025	AND ##F7

5AD9 8510	4030 STA \$10
5ADB 8D0ED2	4035 STA \$D20E
5ADE 68	4040 FOOEY PLA
5ADF 40	4045 RTI
5AE0 A900	4050 RECEIV LDA #0
5AE2 AC0F03	4055 LDY #030F
5AE5 D002	4060 BNE NOCLR
5AE7 8531	4065 STA \$31
5AE9 8538	4070 NOCLR STA \$38
5AEB 8539	4075 STA \$39
5AED A901	4080 LDA #1
5AEF 8530	4085 STA \$30
5AF1 201BEC	4090 JSR RECVEN
5AF4 A93C	4095 LDA ##3C
5AF6 8D03D3	4100 STA \$D303
5AF9 A511	4105 CHKTIM LDA \$11
5AFB D003	4110 BNE NTBRK1
5AFD 4CA0ED	4115 JMP BROKE
5B00 AD1703	4120 NTBRK1 LDA \$0317
5B03 F005	4125 BEQ TOUT
5B05 A539	4130 LDA \$39
5B07 F0F0	4135 BEQ CHKTIM
5B09 60	4140 GOBACK RTS
5B0A A98A	4145 TOUT LDA ##8A
5B0C 8530	4150 STA \$30
5B0E 60	4155 RRETRN RTS
5B0F 98	4160 ISRSIR TYA
5B10 48	4165 PHA
5B11 AD0FD2	4170 LDA \$D20F
5B14 8D0AD2	4175 STA \$D20A
5B17 3004	4180 BMI NTFRAM
5B19 A08C	4185 LDY ##8C
5B1B 8430	4190 STY \$30
5B1D 2920	4195 NTFRAM AND ##20
5B1F D004	4200 BNE NTOVRN
5B21 A08E	4205 LDY ##8E
5B23 8430	4210 STY \$30
5B25 A538	4215 NTOVRN LDA \$38
5B27 F013	4220 BEQ NOTYET
5B29 AD0DD2	4225 LDA \$D20D
5B2C C531	4230 CMP \$31
5B2E F004	4235 BEQ SRETRN
5B30 A08F	4240 LDY ##8F
5B32 8430	4245 STY \$30
5B34 A9FF	4250 SRETRN LDA ##FF
5B36 8539	4255 STA \$39
5B38 68	4260 SUSUAL PLA
5B39 A8	4265 TAY
5B3A 68	4270 PLA
5B3B 40	4275 RTI
5B3C AD0DD2	4280 NOTYET LDA \$D20D
5B3F A000	4285 LDY #0
5B41 9132	4290 STA (\$32),Y
5B43 18	4295 CLC
5B44 6531	4300 ADC \$31
5B46 6900	4305 ADC #0
5B48 8531	4310 STA \$31
5B4A E632	4315 INC \$32

5B4C	D002	4320	BNE NTWRP1
5B4E	E633	4325	INC #33
5B50	A532	4330	NTWRP1 LDA #32
5B52	C534	4335	CMP #34
5B54	A533	4340	LDA #33
5B56	E535	4345	SBC #35
5B58	90DE	4350	BCC SUSUAL
5B5A	A53C	4355	LDA #3C
5B5C	F006	4360	BEQ GOON
5B5E	A900	4365	LDA #0
5B60	853C	4370	STA #3C
5B62	F0D0	4375	BEQ SRETRN
5B64	A9FF	4380	GOON LDA #\$FF
5B66	8538	4385	STA #38
5B68	D0CE	4390	BNE SUSUAL
5B6A	18	4395	LDPNTR CLC
5B6B	AD0403	4400	LDA #0304
5B6E	8532	4405	STA #32
5B70	6D0803	4410	ADC #0308
5B73	8534	4415	STA #34
5B75	AD0503	4420	LDA #0305
5B78	8533	4425	STA #33
5B7A	6D0903	4430	ADC #0309
5B7D	8535	4435	STA #35
5B7F	60	4440	RTS
5B80	AD0303	4445	CASENT LDA #0303
5B83	102E	4450	BPL CASRED
5B85	20A3EC	4455	JSR COMPUT
5B88	4C8FEB	4460	JMP NEW1
5B8B	04	4465	.BYTE 4
5B8C	8D06D2	4470	STA #D206
5B8F	20F2EB	4475	NEW1 JSR SENDEN
5B92	A00F	4480	LDY #\$0F
5B94	AD0B03	4485	LDA #030B
5B97	3002	4490	BMI SRTIRO
5B99	A0B4	4495	LDY #\$B4
5B9B	A200	4500	SRTIRO LDX #0
5B9D	20B9ED	4505	JSR SETVBX
5BA0	A934	4510	LDA #\$34
5BA2	8D02D3	4515	STA #D302
5BA5	AD1703	4520	TIMIT LDA #0317
5BA8	D0FB	4525	BNE TIMIT
5BAA	206AEB	4530	JSR LDPNTR
5BAD	206BEA	4535	JSR SEND
5BB0	4CDFEB	4540	JMP CRETRN
5BB3	A9FF	4545	CASRED LDA #\$FF
5BB5	8D0F03	4550	STA #030F
5BB8	A00A	4555	LDY #\$0A
5BBA	AD0B03	4560	LDA #030B
5BBD	3002	4565	BMI SRTIR1
5BBF	A078	4570	LDY #\$78
5BC1	A200	4575	SRTIR1 LDX #0
5BC3	20B9ED	4580	JSR SETVBX
5BC6	A934	4585	LDA #\$34
5BC8	8D02D3	4590	STA #D302
5BCB	AD1703	4595	TIMIT1 LDA #0317
5BCE	D0FB	4600	BNE TIMIT1
5BD0	206AEB	4605	JSR LDPNTR

5BD3	2075EC	4610	JSR STTMOT
5BD6	20B9ED	4615	JSR SETVBX
5BD9	2010ED	4620	JSR BEGIN
5BDC	20E0EA	4625	JSR RECEIV
5BDF	AD0B03	4630	CRETRN LDA #030B
5BE2	3005	4635	BMI SRTIR2
5BE4	A93C	4640	LDA ##3C
5BE6	8D02D3	4645	STA #D302
5BE9	4C0DEA	4650	SRTIR2 JMP RETURN
5BEC	A900	4655	JTIMER LDA #0
5BEE	8D1703	4660	STA #0317
5BF1	60	4665	RTS
5BF2	A907	4670	SENDEN LDA #7
5BF4	2D3202	4675	AND #0232
5BF7	0920	4680	ORA ##20
5BF9	AC0003	4685	LDY #0300
5BFC	C060	4690	CPY ##60
5BFE	D00C	4695	BNE NOTCAS
5C00	0908	4700	ORA #8
5C02	A007	4705	LDY #7
5C04	8C02D2	4710	STY #D202
5C07	A005	4715	LDY #5
5C09	8C00D2	4720	STY #D200
5C0C	8D3202	4725	NOTCAS STA #0232
5C0F	8D0FD2	4730	STA #D20F
5C12	A9C7	4735	LDA ##C7
5C14	2510	4740	AND #10
5C16	0910	4745	ORA ##10
5C18	4C31EC	4750	JMP CONTIN
5C1B	A907	4755	RECVEN LDA #7
5C1D	2D3202	4760	AND #0232
5C20	0910	4765	ORA ##10
5C22	8D3202	4770	STA #0232
5C25	8D0FD2	4775	STA #D20F
5C28	8D0AD2	4780	STA #D20A
5C2B	A9C7	4785	LDA ##C7
5C2D	2510	4790	AND #10
5C2F	0920	4795	ORA ##20
5C31	8510	4800	CONTIN STA #10
5C33	8D0ED2	4805	STA #D20E
5C36	A928	4810	LDA ##28
5C38	8D08D2	4815	STA #D208
5C3B	A206	4820	LDX #6
5C3D	A9A8	4825	LDA ##A8
5C3F	A441	4830	LDY #41
5C41	D002	4835	BNE NOISE1
5C43	A9A0	4840	LDA ##A0
5C45	9D01D2	4845	NOISE1 STA #D201,X
5C48	CA	4850	DEX
5C49	CA	4855	DEX
5C4A	10F9	4860	BPL NOISE1
5C4C	A9A0	4865	LDA ##A0
5C4E	8D05D2	4870	STA #D205
5C51	AC0003	4875	LDY #0300
5C54	C060	4880	CPY ##60
5C56	F006	4885	BEQ CAS31
5C58	8D01D2	4890	STA #D201
5C5B	8D03D2	4895	STA #D203

5C5E 60	4900 CAS31 RTS
5C5F EA	4905 SENDDS NOP
5C60 A9C7	4910 RECVDS LDA ##C7
5C62 2510	4915 AND #10
5C64 8510	4920 STA #10
5C66 8D0ED2	4925 STA #D20E
5C69 A206	4930 LDX #6
5C6B A900	4935 LDA #0
5C6D 9D01D2	4940 ZERIT STA #D201,X
5C70 CA	4945 DEX
5C71 CA	4950 DEX
5C72 10F9	4955 BPL ZERIT
5C74 60	4960 RTS
5C75 AD0603	4965 STTMOT LDA #0306
5C78 6A	4970 ROR A
5C79 6A	4975 ROR A
5C7A A8	4980 TAY
5C7B 293F	4985 AND ##3F
5C7D AA	4990 TAX
5C7E 98	4995 TYA
5C7F 6A	5000 ROR A
5C80 29C0	5005 AND ##C0
5C82 A8	5010 TAY
5C83 60	5015 RTS
5C84 0FEB	5020 INTTBL .WORD ISRSIR
5C86 90EA	5025 .WORD ISRODN
5C88 CFEA	5030 .WORD ISRTD
5C8A A201	5035 SENDIN LDX #1
5C8C A0FF	5040 DELAY0 LDY ##FF
5C8E 88	5045 DELAY1 DEY
5C8F D0FD	5050 BNE DELAY1
5C91 CA	5055 DEX
5C92 D0F8	5060 BNE DELAY0
5C94 206BEA	5065 JSR SEND
5C97 A002	5070 LDY #2
5C99 A200	5075 LDX #0
5C9B 20B9ED	5080 WAITER JSR SETVBX
5C9E 201AEA	5085 JSR WAIT
5CA1 98	5090 TYA
5CA2 60	5095 RTS
5CA3 ADEE02	5100 COMPUT LDA #02EE
5CA6 8D04D2	5105 STA #D204
5CA9 ADEF02	5110 LDA #02EF
5CAC 8D06D2	5115 STA #D206
5CAF 60	5120 RTS
5CB0	5125 *= \$ECB0 ;HARDI
5CB0 A900	5130 HARDI LDA #0
5CB2 AA	5135 TAX
5CB3 8D03D3	5140 STA #D303
5CB6 9D00D0	5145 CLRCHP STA #D000,X
5CB9 9D00D4	5150 STA #D400,X
5CBC 9D00D2	5155 STA #D200,X
5CBF C901	5160 CMP #1
5CC1 F003	5165 BEQ SKIP
5CC3 9D00D3	5170 STA #D300,X
5CC6 E8	5175 SKIP INX
5CC7 D0ED	5180 BNE CLRCHP
5CC9 A93C	5185 LDA ##3C ;OSNXL POWER UP

5CCB	8D03D3	5190	STA \$D303
5CCE	A9FF	5195	LDA ##FF
5CD0	8D01D3	5200	STA \$D301
5CD3	A938	5205	LDA ##38
5CD5	8D02D3	5210	STA \$D302
5CD8	8D03D3	5215	STA \$D303
5CDB	A900	5220	LDA #0
5CDD	8D00D3	5225	STA \$D300
5CE0	A9FF	5230	LDA ##FF
5CE2	8D01D3	5235	STA \$D301
5CE5	A93C	5240	LDA ##3C
5CE7	8D02D3	5245	STA \$D302
5CEA	8D03D3	5250	STA \$D303
5CED	AD01D3	5255	LDA \$D301
5CF0	AD00D3	5260	LDA \$D300
5CF3	A922	5265	LDA ##22
5CF5	8D0FD2	5270	STA \$D20F
5CF8	A9A0	5275	LDA ##A0
5CFA	8D05D2	5280	STA \$D205
5CFD	8D07D2	5285	STA \$D207
5D00	A928	5290	LDA ##28
5D02	8D08D2	5295	STA \$D208
5D05	A9FF	5300	LDA ##FF
5D07	8D0DD2	5305	STA \$D20D
5D0A	60	5310	RTS
5D0B		5315	*= \$ED10
5D10	A511	5320	BEGIN LDA \$11
5D12	D003	5325	BNE NTBRK2
5D14	4CA0ED	5330	JMP BROKE
5D17	78	5335	NTBRK2 SEI
5D18	AD1703	5340	LDA \$0317
5D1B	D002	5345	BNE OKTIM1
5D1D	F025	5350	BEQ TOUT1
5D1F	AD0FD2	5355	OKTIM1 LDA \$D20F
5D22	2910	5360	AND ##10
5D24	D0EA	5365	BNE BEGIN
5D26	8D1603	5370	STA \$0316
5D29	AE0BD4	5375	LDX \$D40B
5D2C	A414	5380	LDY \$14
5D2E	8E0C03	5385	STX \$030C
5D31	8C0D03	5390	STY \$030D
5D34	A201	5395	LDX #1
5D36	8E1503	5400	STX \$0315
5D39	A00A	5405	LDY #10
5D3B	A511	5410	COUNT LDA \$11
5D3D	F061	5415	BEQ BROKE
5D3F	AD1703	5420	LDA \$0317
5D42	D004	5425	BNE OKTIMR
5D44	58	5430	TOUT1 CLI
5D45	4C0AEB	5435	JMP TOUT
5D48	AD0FD2	5440	OKTIMR LDA \$D20F
5D4B	2910	5445	AND ##10
5D4D	CD1603	5450	CMP \$0316
5D50	F0E9	5455	BEQ COUNT
5D52	8D1603	5460	STA \$0316
5D55	88	5465	DEY
5D56	D0E3	5470	BNE COUNT
5D58	CE1503	5475	DEC \$0315

5D5B	3012	5480	BMI GOREAD
5D5D	AD0BD4	5485	LDA #D40B
5D60	A414	5490	LDY #14
5D62	20A3EC	5495	JSR COMPUT
5D65	EA	5500	NOP
5D66	EA	5505	NOP
5D67	EA	5510	NOP
5D68	EA	5515	NOP
5D69	EA	5520	NOP
5D6A	EA	5525	NOP
5D6B	A009	5530	LDY #9
5D6D	D0CC	5535	BNE COUNT
5D6F	ADEE02	5540	GOREAD LDA #02EE
5D72	8D04D2	5545	STA #D204
5D75	ADEF02	5550	LDA #02EF
5D78	8D06D2	5555	STA #D206
5D7B	A900	5560	LDA #0
5D7D	8D0FD2	5565	STA #D20F
5D80	AD3202	5570	LDA #0232
5D83	8D0FD2	5575	STA #D20F
5D86	A955	5580	LDA ##55
5D88	9132	5585	STA (#32),Y
5D8A	C8	5590	INY
5D8B	9132	5595	STA (#32),Y
5D8D	A9AA	5600	LDA ##AA
5D8F	8531	5605	STA #31
5D91	18	5610	CLC
5D92	A532	5615	LDA #32
5D94	6902	5620	ADC #2
5D96	8532	5625	STA #32
5D98	A533	5630	LDA #33
5D9A	6900	5635	ADC #0
5D9C	8533	5640	STA #33
5D9E	58	5645	CLI
5D9F	60	5650	RTS
5DA0	205FEC	5655	BROKE JSR SENDDS
5DA3	A93C	5660	LDA ##3C
5DA5	8D02D3	5665	STA #D302
5DA8	8D03D3	5670	STA #D303
5DAB	A980	5675	LDA ##80
5DAD	8530	5680	STA #30
5DAF	AE1803	5685	LDX #0318
5DB2	9A	5690	TXS
5DB3	C611	5695	DEC #11
5DB5	58	5700	CLI
5DB6	4C0DEA	5705	JMP RETURN
5DB9	A9EC	5710	SETVBX LDA ##EC
5DBB	8D2602	5715	STA #0226
5DBE	A9EB	5720	LDA ##EB
5DC0	8D2702	5725	STA #0227
5DC3	A901	5730	LDA #1
5DC5	78	5735	SEI
5DC6	205CE4	5740	JSR #E45C
5DC9	A901	5745	LDA #1
5DCB	8D1703	5750	STA #0317
5DCE	58	5755	CLI
5DCF	60	5760	RTS
5DD0	E803	5765	POKTAB .WORD #03E8 ;NOT USED

5DD2	4304	5770	.WORD \$0443
5DD4	9E04	5775	.WORD \$049E
5DD6	F904	5780	.WORD \$04F9
5DD8	5405	5785	.WORD \$0554
5DDA	AF05	5790	.WORD \$05AF
5DDC	0A06	5795	.WORD \$060A
5DDE	6506	5800	.WORD \$0665
5DE0	C006	5805	.WORD \$06C0
5DE2	1A07	5810	.WORD \$071A
5DE4	7507	5815	.WORD \$0775
5DE6	D007	5820	.WORD \$07D0
5DE8	2485	5825	.BYTE \$24,\$85
5DEA	A9A0	5830	DINIT LDA ##A0
5DEC	8D4602	5835	STA \$0246
5DEF	60	5840	RTS
5DF0	A931	5845	DSKIF LDA ##31
5DF2	8D0003	5850	STA \$0300
5DF5	AD4602	5855	LDA \$0246
5DF8	AE0203	5860	LDX \$0302
5DFB	E021	5865	CPX ##21
5DFD	F002	5870	BEG PUTDTC
5DFF	A907	5875	LDA #7
5E01	8D0603	5880	PUTDTC STA \$0306
5E04	A240	5885	LDX ##40
5E06	A080	5890	LDY ##80
5E08	AD0203	5895	LDA \$0302
5E0B	C957	5900	CMP ##57
5E0D	D002	5905	BNE CKSTC
5E0F	A280	5910	LDX ##80
5E11	C953	5915	CKSTC CMP ##53
5E13	D00C	5920	BNE PUTCNT
5E15	A9EA	5925	LDA ##EA
5E17	8D0403	5930	STA \$0304
5E1A	A902	5935	LDA #2
5E1C	8D0503	5940	STA \$0305
5E1F	A004	5945	LDY #4
5E21	8E0303	5950	PUTCNT STX \$0303
5E24	8C0803	5955	STY \$0308
5E27	A900	5960	LDA #0
5E29	8D0903	5965	STA \$0309
5E2C	2059E4	5970	JSR SIOV
5E2F	1001	5975	BPL GOODST
5E31	60	5980	RTS
5E32	AD0203	5985	GOODST LDA \$0302
5E35	C953	5990	CMP ##53
5E37	D00A	5995	BNE PUTBC
5E39	206DEE	6000	JSR PUTADR
5E3C	A002	6005	LDY #2
5E3E	B115	6010	LDA (\$15),Y
5E40	8D4602	6015	STA \$0246
5E43	AD0203	6020	PUTBC LDA \$0302
5E46	C921	6025	CMP ##21
5E48	D01F	6030	BNE ENDDIF
5E4A	206DEE	6035	FMTD JSR PUTADR
5E4D	A0FE	6040	LDY ##FE
5E4F	C8	6045	TWICE INY
5E50	C8	6050	INY
5E51	B115	6055	RDBAD LDA (\$15),Y

5E53 C9FF	6060	CMF ##FF
5E55 D0F8	6065	BNE TWICE
5E57 C8	6070	INY
5E58 B115	6075	LDA (#15),Y
5E5A C8	6080	INY
5E5B C9FF	6085	CMF ##FF
5E5D D0F2	6090	BNE RDBAD
5E5F 88	6095	DEY
5E60 88	6100	DEY
5E61 8C0803	6105	STY #0308
5E64 A900	6110	LDA #0
5E66 8D0903	6115	STA #0309
5E69 AC0303	6120	ENDDIF LDY #0303
5E6C 60	6125	RTS
5E6D AD0403	6130	PUTADR LDA #0304
5E70 8515	6135	STA #15
5E72 AD0503	6140	LDA #0305
5E75 8516	6145	STA #16
5E77 60	6150	RTS
5E78 A91E	6155	PHINIT LDA #30
5E7A 851C	6160	STA #1C
5E7C 60	6165	RTS
5E7D EA02	6170	PHSTLO .WORD #02EA
5E7F C003	6175	PHCHLO .WORD #03C0
5E81 A904	6180	PHSTAT LDA #4
5E83 851E	6185	STA #1E
5E85 AE7DEE	6190	LDX PHSTLO
5E88 AC7EEE	6195	LDY PHSTLO+1
5E8B A953	6200	LDA ##53
5E8D 8D0203	6205	STA #0302
5E90 8D0A03	6210	STA #030A
5E93 20E6EE	6215	JSR SETDCB
5E96 2059E4	6220	JSR SIOV
5E99 3003	6225	BMI BADST
5E9B 2014EF	6230	JSR PHPUT
5E9E 60	6235	BADST RTS
5E9F 2081EE	6240	PHOPEN JSR PHSTAT
5EA2 A900	6245	LDA #0
5EA4 851D	6250	STA #1D
5EA6 60	6255	RTS
5EA7 851F	6260	PHWRIT STA #1F
5EA9 201AEF	6265	JSR PRMODE
5EAC A61D	6270	LDX #1D
5EAE A51F	6275	LDA #1F
5EB0 9DC003	6280	STA #03C0,X
5EB3 E8	6285	INX
5EB4 E41E	6290	CPX #1E
5EB6 F013	6295	BEQ BUFFUL
5EB8 861D	6300	STX #1D
5EBA C99B	6305	CMF ##9B
5EBC F003	6310	BEQ BLFILL
5EBE A001	6315	LDY #1
5EC0 60	6320	RTS
5EC1 A920	6325	BLFILL LDA ##20
5EC3 9DC003	6330	FILLBF STA #03C0,X
5EC6 E8	6335	INX
5EC7 E41E	6340	CPX #1E
5EC9 D0F8	6345	BNE FILLBF

5ECB A900	6350 BUFFUL LDA #0
5ECD 851D	6355 STA #1D
5ECF AE7FEE	6360 LDX PHCHLO
5ED2 AC80EE	6365 LDY PHCHLO+1
5ED5 20E6EE	6370 JSR SETDCB
5ED8 2059E4	6375 JSR SIOV
5EDB 60	6380 RTS
5EDC 201AEF	6385 PHCLOS JSR PRMODE
5EDF A61D	6390 LDX #1D
5EE1 D0DE	6395 BNE BLFILL
5EE3 A001	6400 LDY #1
5EE5 60	6405 RTS
5EE6 8E0403	6410 SETDCB STX #0304
5EE9 8C0503	6415 STY #0305
5EEC A940	6420 LDA ##40
5EEE 8D0003	6425 STA #0300
5EF1 A901	6430 LDA #1
5EF3 8D0103	6435 STA #0301
5EF6 A980	6440 LDA ##80
5EF8 AE0203	6445 LDX #0302
5EFB E053	6450 CPX ##53
5EFD D002	6455 BNE PSIOC
5EFF A940	6460 LDA ##40
5F01 8D0303	6465 PSIOC STA #0303
5F04 A51E	6470 LDA #1E
5F06 8D0803	6475 STA #0308
5F09 A900	6480 LDA #0
5F0B 8D0903	6485 STA #0309
5F0E A51C	6490 LDA #1C
5F10 8D0603	6495 STA #0306
5F13 60	6500 RTS
5F14 ADEC02	6505 PHPUT LDA #02EC
5F17 851C	6510 STA #1C
5F19 60	6515 RTS
5F1A A057	6520 PRMODE LDY ##57
5F1C A52B	6525 LDA #2B
5F1E C94E	6530 CMODE CMP ##4E
5F20 D004	6535 BNE CDUBL
5F22 A228	6540 LDX ##28
5F24 D00E	6545 BNE SETBSZ
5F26 C944	6550 CDUBL CMP ##44
5F28 D004	6555 BNE CSIDE
5F2A A214	6560 LDX ##14
5F2C D006	6565 BNE SETBSZ
5F2E C953	6570 CSIDE CMP ##53
5F30 D00B	6575 BNE GOERR
5F32 A21D	6580 LDX ##1D
5F34 861E	6585 SETBSZ STX #1E
5F36 8C0203	6590 STY #0302
5F39 8D0A03	6595 STA #030A
5F3C 60	6600 RTS
5F3D A94E	6605 GOERR LDA ##4E
5F3F D0DD	6610 BNE CMODE
5F41 A9CC	6615 INIT LDA ##CC
5F43 8DEE02	6620 STA #02EE
5F46 A905	6625 LDA #5
5F48 8DEF02	6630 STA #02EF
5F4B 60	6635 SPECIA RTS

5F4C A52B	6640 OPENC LDA #2B	
5F4E 853E	6645 STA #3E	
5F50 A52A	6650 LDA #2A	
5F52 290C	6655 AND #\$0C	
5F54 C904	6660 CMP #4	
5F56 F005	6665 BEQ OPINP	
5F58 C908	6670 CMP #8	
5F5A F039	6675 BEQ OPDOUT	
5F5C 60	6680 RTS	
5F5D A900	6685 OPINP LDA #0	
5F5F 8D8902	6690 STA \$0289	
5F62 853F	6695 STA #3F	
5F64 A901	6700 SFH LDA #1	
5F66 2058F0	6705 JSR \$F058 ;BEEP	
5F69 3024	6710 BMI OPNRTN	
5F6B A934	6715 LDA #\$34	
5F6D 8D02D3	6720 STA \$D302	
5F70 A040	6725 LDY #\$40	
5F72 A202	6730 LDX #2	
5F74 A903	6735 LDA #3	
5F76 8D2A02	6740 STA \$022A	
5F79 205CE4	6745 JSR SETVBV	
5F7C AD2A02	6750 WAITTM LDA \$022A	
5F7F D0FB	6755 BNE WAITTM	
5F81 A980	6760 LDA #\$80	
5F83 853D	6765 STA #3D	
5F85 8D8A02	6770 STA \$028A	
5F88 4CD3EF	6775 JMP OPDK	
5F8B A080	6780 PBRK LDY #\$80	
5F8D C611	6785 DEC #11	
5F8F A900	6790 OPNRTN LDA #0	
5F91 8D8902	6795 STA \$0289	
5F94 60	6800 RTS	
5F95 A980	6805 OPDOUT LDA #\$80	
5F97 8D8902	6810 STA \$0289	
5F9A A902	6815 LDA #2	
5F9C 2058F0	6820 JSR \$F058	
5F9F 30EE	6825 BMI OPNRTN	
5FA1 20A3EC	6830 JSR COMPUT	
5FA4 4CABEF	6835 JMP EFAB	
5FA7 04	6840 .BYTE 4	
5FA8 8D06D2	6845 STA \$D206	
5FAB A960	6850 EFAB LDA #\$60	
5FAD 8D0003	6855 STA \$0300	
5FB0 2068E4	6860 JSR SENDEV	
5FB3 A934	6865 LDA #\$34	
5FB5 8D02D3	6870 STA \$D302	
5FB8 A903	6875 LDA #3	
5FBA A202	6880 LDX #2	
5FBC A080	6885 LDY #\$80	
5FBE 205CE4	6890 JSR SETVBV	
5FC1 A9FF	6895 LDA #\$FF	
5FC3 8D2A02	6900 STA \$022A	
5FC6 A511	6905 WDLR LDA #11	
5FC8 F0C1	6910 BEQ PBRK	
5FCA AD2A02	6915 LDA \$022A	
5FCD D0F7	6920 BNE WDLR	
5FCF A900	6925 LDA #0	

5FD1 853D	6930 STA \$3D
5FD3 A001	6935 DPOK LDY #1
5FD5 60	6940 RTS
5FD6 A53F	6945 GBYTE LDA \$3F
5FD8 3033	6950 BMI ISEOF
5FDA A63D	6955 LDX \$3D
5FDC EC8A02	6960 CPX \$028A
5FDF F008	6965 BEQ RBLOK
5FE1 BD0004	6970 LDA \$0400,X
5FE4 E63D	6975 INC \$3D
5FE6 A001	6980 LDY #1
5FE8 60	6985 GBX RTS
5FE9 A952	6990 RBLOK LDA ##52
5FEB 2095F0	6995 JSR SIOSB
5FEE 98	7000 TYA
5FEF 30F7	7005 BMI GBX
5FF1 A900	7010 LDA #0
5FF3 853D	7015 STA \$3D
5FF5 A280	7020 LDX ##80
5FF7 ADFF03	7025 LDA \$03FF
5FFA C9FE	7030 CMP ##FE
5FFC F00D	7035 BEQ ATEOF
5FFE C9FA	7040 CMP ##FA
6000 D003	7045 BNE NLR
6002 AE7F04	7050 LDX \$047F
6005 8E8A02	7055 NLR STX \$028A
6008 4CD6EF	7060 JMP GBYTE
600B C63F	7065 ATEOF DEC \$3F
600D A088	7070 ISEOF LDY ##88
600F 60	7075 RTS
6010 A63D	7080 PBYTE LDX \$3D
6012 9D0004	7085 STA \$0400,X
6015 E63D	7090 INC \$3D
6017 A001	7095 LDY #1
6019 E07F	7100 CPX #127
601B F001	7105 BEQ *+3
601D 60	7110 RTS
601E A9FC	7115 LDA ##FC
6020 20D2F0	7120 JSR WSIOSB
6023 A900	7125 LDA #0
6025 853D	7130 STA \$3D
6027 60	7135 RTS
6028 A001	7140 STATU LDY #1
602A 60	7145 RTS
602B AD8902	7150 CLOSEC LDA \$0289
602E 3008	7155 BMI CLWRT
6030 A001	7160 LDY #1
6032 A93C	7165 FCAX LDA ##3C
6034 8D02D3	7170 STA \$D302
6037 60	7175 RTS
6038 A63D	7180 CLWRT LDX \$3D
603A F00A	7185 BEQ WTLR
603C 8E7F04	7190 STX \$047F
603F A9FA	7195 LDA ##FA
6041 20D2F0	7200 JSR WSIOSB
6044 30EC	7205 BMI FCAX
6046 A27F	7210 WTLR LDX #127
6048 A900	7215 LDA #0

604A 9D0004	7220 ZTBUF STA \$0400,X
604D CA	7225 DEX
604E 10FA	7230 BPL ZTBUF
6050 A9FE	7235 LDA #\$FE
6052 20D2F0	7240 JSR WSI0SB
6055 4C32F0	7245 JMP FCAX
6058 8540	7250 BEEP STA \$40
605A A514	7255 BEEP1 LDA \$14
605C 18	7260 CLC
605D 691E	7265 ADC #30
605F AA	7270 TAX
6060 A9FF	7275 WFL LDA #\$FF
6062 8D1FD0	7280 STA \$D01F
6065 A900	7285 LDA #0
6067 A0F0	7290 LDY #\$F0
6069 88	7295 DEY
606A D0FD	7300 BNE *-1
606C 8D1FD0	7305 STA \$D01F
606F A0F0	7310 LDY #\$F0
6071 88	7315 DEY
6072 D0FD	7320 BNE *-1
6074 E414	7325 CPX \$14
6076 D0E8	7330 BNE WFL
6078 C640	7335 DEC \$40
607A F00B	7340 BEQ WFAK
607C 8A	7345 TXA
607D 18	7350 CLC
607E 690A	7355 ADC #10
6080 AA	7360 TAX
6081 E414	7365 CPX \$14
6083 D0FC	7370 BNE *-2
6085 F0D3	7375 BEQ BEEP1
6087 208CF0	7380 WFAK JSR WFAK1
608A 98	7385 TYA
608B 60	7390 RTS
608C AD25E4	7395 WFAK1 LDA \$E425
608F 48	7400 PHA
6090 AD24E4	7405 LDA \$E424
6093 48	7410 PHA
6094 60	7415 RTS
6095 8D0203	7420 SIOSB STA \$0302
6098 A900	7425 LDA #0
609A 8D0903	7430 STA \$0309
609D A983	7435 LDA #131
609F 8D0803	7440 STA \$0308
60A2 A903	7445 LDA #3
60A4 8D0503	7450 STA \$0305
60A7 A9FD	7455 LDA #\$FD
60A9 8D0403	7460 STA \$0304
60AC A960	7465 CSID LDA #\$60
60AE 8D0003	7470 STA \$0300
60B1 A900	7475 LDA #0
60B3 8D0103	7480 STA \$0301
60B6 A923	7485 LDA #35
60B8 8D0603	7490 STA \$0306
60BB AD0203	7495 LDA \$0302
60BE A040	7500 LDY #\$40
60C0 C952	7505 CMP #\$52

60C2	F002	7510	BEG	*+4
60C4	A080	7515	LDY	##80
60C6	8C0303	7520	STY	\$0303
60C9	A53E	7525	LDA	\$3E
60CB	8D0B03	7530	STA	\$030B
60CE	2059E4	7535	JSR	\$E459
60D1	60	7540	RTS	
60D2	8DFF03	7545	WSIOSB	STA \$03FF
60D5	A955	7550	LDA	##55
60D7	8DFD03	7555	STA	\$03FD
60DA	8DFE03	7560	STA	\$03FE
60DD	A957	7565	LDA	##57
60DF	2095F0	7570	JSR	SIO SB
60E2	60	7575	RTS	
60E3	50	7580	TBLENT	.BYTE 'P '
60E4	30E4	7585		.BYTE \$30,\$E4
60E6	43	7590		.BYTE 'C '
60E7	40E4	7595		.BYTE \$40,\$E4
60E9	45	7600		.BYTE 'E '
60EA	00E4	7605		.BYTE \$00,\$E4
60EC	53	7610		.BYTE 'S '
60ED	10E4	7615		.BYTE \$10,\$E4
60EF	4B	7620		.BYTE 'K '
60F0	20E4	7625		.BYTE \$20,\$E4
	=000E	7630	TBLLEN	= 14
60F2	A23F	7635	CLICK	LDX ##3F
60F4	8E1FD0	7640	CLICK1	STX \$D01F
60F7	8E0AD4	7645		STX \$D40A
60FA	CA	7650	DEX	
60FB	10F7	7655	BPL	CLICK1
60FD	60	7660	RTS	
60FE	A900	7665	COLCR	LDA #0
6100	A67B	7670	LDX	\$7B
6102	D004	7675	BNE	COLCR1
6104	A657	7680	LDX	\$57
6106	D002	7685	BNE	COLCR2
6108	A552	7690	COLCR1	LDA \$52
610A	8555	7695	COLCR2	STA \$55
610C	60	7700	RTS	
610D	424F4F54	7705	DERR5	.BYTE "BOOT ERROR", \$9B
6111	20455252			
6115	4F529B			
	=00F1	7710	DERRH	= DERR5/256
	=000D	7715	DERRL	= DERR5&255
6118	453A9B	7720	OPNEDT	.BYTE "E:", \$9B
	=00F1	7725	OPNH	= OPNEDT/256
	=0018	7730	OPNL	= OPNEDT&255
611B	78	7735	RESET	SEI
611C	AD4402	7740	LDA	\$0244
611F	D004	7745	BNE	PWRUP
6121	A9FF	7750	LDA	##FF
6123	D038	7755	BNE	PWRUP1
6125	78	7760	PWRUP	SEI ;POWER UP VECTOR
6126	48	7765	PHA	;SAVE A,X,Y FOR OMNIMON
6127	8A	7770	TXA	
6128	48	7775	PHA	
6129	98	7780	TYA	
612A	48	7785	PHA	

612B 20B0EC	7790 JSR HARDI
612E AD1FDO	7795 LDA \$D01F
6131 2907	7800 AND #7 ;TEST 3 BITS
6133 C905	7805 CMP #5 ;SELECT KEY
6135 D018	7810 BNE CONTPU
6137 8642	7815 STX \$42
6139 8EFE02	7820 STX \$02FE
613C 8EFF02	7825 STX \$02FF
613F ADF803	7830 LDA \$03F8 ;CHK BASIC FLAG
6142 D005	7835 BNE TRTOP ;NOT THERE
6144 A9FD	7840 LDA #\$FD ;WAS THERE
6146 8D01D3	7845 STA \$D301 ;TURN BACK ON
6149 2025E9	7850 TRTOP JSR HOWMCH
614C 4CD9F1	7855 JMP ESTSCM
614F AD4402	7860 CONTPU LDA \$0244 ;IS IT RESET
6152 D007	7865 BNE PWRUP3
6154 AD3D03	7870 LDA \$033D
6157 C95C	7875 CMP #\$5C
6159 F0C0	7880 BEQ RESET
615B A900	7885 PWRUP3 LDA #0
615D 8508	7890 PWRUP1 STA \$08
615F D8	7895 CLD
6160 A2FF	7900 LDX #\$FF
6162 9A	7905 TXS ;STACK POINTER
6163 AD1FDO	7910 LDA \$D01F
6166 2906	7915 AND #6 ;SELECT & OPTION
6168 F013	7920 BEQ ENSPEC
616A AD13D0	7925 SPEC LDA \$D013
616D 6A	7930 ROR A
616E 900D	7935 BCC ENSPEC
6170 ADFCBF	7940 LDA \$BFFC
6173 D008	7945 BNE ENSPEC
6175 ADFDBF	7950 LDA \$BFFD
6178 1003	7955 BPL ENSPEC
617A 6CFEBF	7960 CAINIT JMP (\$BFFE)
617D A508	7965 ENSPEC LDA \$08
617F F007	7970 BEQ TESTB
6181 ADF803	7975 LDA \$03F8
6184 D011	7980 BNE ENSPE2
6186 F007	7985 BEQ TRNONB
6188 AD1FDO	7990 TESTB LDA \$D01F
618B 2904	7995 AND #4 ;OPTION PUSHED
618D F008	8000 BEQ ENSPE2
618F AD01D3	8005 TRNONB LDA \$D301
6192 29FD	8010 AND #\$FD ;TURN ON BASIC ROM
6194 8D01D3	8015 STA \$D301
6197 2025E9	8020 ENSPE2 JSR HOWMCH ;GO CHK RAM
619A A508	8025 LDA \$08
619C D024	8030 BNE ZOSRAM
619E A008	8035 ZERQRM LDY #8
61A0 8504	8040 STA \$04
61A2 8505	8045 STA \$05
61A4 9104	8050 CLRRAM STA (\$04),Y
61A6 C8	8055 INY
61A7 D0FB	8060 BNE CLRRAM
61A9 E605	8065 INC \$05
61AB A605	8070 LDX \$05
61AD E406	8075 CPX \$06

61AF	D0F3	8080	BNE CLRRAM
61B1	AD72E4	8085	LDA \$E472
61B4	850A	8090	STA \$0A
61B6	AD73E4	8095	LDA \$E473
61B9	850B	8100	STA \$0B
61BB	A9FF	8105	LDA #\$FF
61BD	8D4402	8110	STA \$0244
61C0	D017	8115	BNE ESTSCM
61C2	A200	8120	ZOSRAM LDX #0
61C4	8A	8125	TXA
61C5	9D0002	8130	ZOSRM2 STA \$0200,X
61C8	EOED	8135	CPX #\$ED
61CA	B003	8140	BCS ZOSRM4
61CC	9D0003	8145	STA \$0300,X
61CF	CA	8150	ZOSRM4 DEX
61D0	D0F3	8155	BNE ZOSRM2
61D2	A210	8160	LDX #\$10
61D4	9500	8165	ZOSRM3 STA \$00,X
61D6	E8	8170	INX
61D7	10FB	8175	BPL ZOSRM3
61D9	A200	8180	ESTSCM LDX #0
61DB	AD01D3	8185	LDA \$D301 ; IS BASIC ROM THERE
61DE	2902	8190	AND #2
61E0	F001	8195	BEQ EST1
61E2	E8	8200	INX
61E3	8EF803	8205	EST1 STX \$03F8
61E6	A95C	8210	LDA #\$5C
61E8	8D3D03	8215	STA \$033D
61EB	A902	8220	LDA #2
61ED	8552	8225	STA \$52
61EF	A927	8230	LDA #39
61F1	8553	8235	STA \$53
61F3	A225	8240	OPSYS LDX #\$25
61F5	BD80E4	8245	MOVVEC LDA \$E480,X
61F8	9D0002	8250	STA \$0200,X
61FB	CA	8255	DEX
61FC	10F7	8260	BPL MOVVEC
61FE	A20E	8265	LDX #\$0E
6200	BDE3F0	8270	NXTENT LDA \$F0E3,X
6203	9D1A03	8275	STA \$031A,X
6206	CA	8280	DEX
6207	10F7	8285	BPL NXTENT
6209	C611	8290	OSRAM DEC \$11
620B	A954	8295	LDA #\$54
620D	8D3602	8300	STA \$0236
6210	A9E7	8305	LDA #\$E7
6212	8D3702	8310	STA \$0237
6215	A506	8315	LDA \$06
6217	8DE402	8320	STA \$02E4
621A	8DE602	8325	STA \$02E6
621D	A900	8330	LDA #0
621F	8DE502	8335	STA \$02E5
6222	8506	8340	STA \$06
6224	200CE4	8345	JSR \$E40C
6227	201CE4	8350	JSR \$E41C
622A	202CE4	8355	JSR \$E42C
622D	203CE4	8360	JSR \$E43C
6230	204CE4	8365	JSR \$E44C

6233	206EE4	8370	JSR \$E46E	
6236	2065E4	8375	JSR \$E465	
6239	206BE4	8380	JSR \$E46B	
623C	AD1FD0	8385	LDA \$D01F	; CONSOLE
623F	AA	8390	TAX	
6240	2901	8395	AND #1	; START KEY
6242	D002	8400	BNE NOSTRT	
6244	E64A	8405	INC \$4A	
6246	58	8410	NOSTRT CLI	
6247	8A	8415	TXA	
6248	2906	8420	AND #6	; SELECT & OPTION KEYS
624A	D010	8425	BNE OMNI2	
624C	2001C0	8430	JSR \$C001	; TO OMNIMON
624F	A200	8435	LDX #0	
6251	A90C	8440	LDA #\$0C	
6253	9D4203	8445	STA \$0342,X	
6256	2056E4	8450	JSR \$E456	
6259	4C6EF2	8455	JMP ENDBCK	
625C	8A	8460	OMNI2 TXA	
625D	2902	8465	AND #2	; SELECT KEY
625F	D003	8470	BNE CPU2	
6261	4C15C0	8475	JMP \$C015	; GOT TO IT
6264	A200	8480	CPU2 LDX #0	
6266	8EE702	8485	STX \$02E7	
6269	A907	8490	LDA #7	
626B	8DE802	8495	STA \$02E8	
626E	AEE402	8500	ENDBCK LDX \$02E4	
6271	E0B0	8505	CPX #\$B0	
6273	B00A	8510	BCS ENDACK	
6275	AEFCBF	8515	LDX \$BFFC	
6278	D005	8520	BNE ENDACK	
627A	E606	8525	INC \$06	
627C	207AF1	8530	JSR CAINIT	; INIT CART.
627F	A903	8535	ENDACK LDA #3	; OPEN SCREEN
6281	A200	8540	LDX #0	
6283	9D4203	8545	STA \$0342,X	
6286	A918	8550	LDA #\$18	
6288	9D4403	8555	STA \$0344,X	
628B	A9F1	8560	LDA #\$F1	
628D	9D4503	8565	STA \$0345,X	
6290	A90C	8570	LDA #\$0C	
6292	9D4A03	8575	STA \$034A,X	
6295	2056E4	8580	JSR \$E456	
6298	1003	8585	BPL SCRNOK	
629A	4C25F1	8590	JMP FWRUP	
629D	E8	8595	SCRNOK INX	
629E	D0FD	8600	BNE SCRNOK	
62A0	C8	8605	INY	
62A1	10FA	8610	BPL SCRNOK	
62A3	209EF3	8615	JSR \$F39E	; CSBOOT
62A6	A506	8620	LDA \$06	
62A8	F006	8625	BEQ NOCART	
62AA	ADFD8F	8630	LDA \$BFFD	
62AD	6A	8635	ROR A	
62AE	9003	8640	BCC NOBOOT	
62B0	20CFF2	8645	NOCART JSR \$F2CF	; BOOT
62B3	A900	8650	NOBOOT LDA #0	
62B5	8D4402	8655	STA \$0244	

62B8	A506	8660	LDA #06
62BA	F00A	8665	BEQ NOCAR2
62BC	ADFDBF	8670	LDA #BFFD
62BF	2904	8675	AND #4
62C1	F003	8680	BEQ NOCAR2
62C3	6CFABF	8685	JMP (\$BFFA)
62C6	6C0A00	8690	NOCAR2 JMP (\$0A) ; DOSVEC
62C9	203EF6	8695	BLACKB JSR \$F63E ; EGETCH
62CC	4CC9F2	8700	JMP BLACKB
62CF	A508	8705	BOOT LDA #08
62D1	F00A	8710	BEQ NOWARM
62D3	A509	8715	LDA #09
62D5	2901	8720	AND #1
62D7	F003	8725	BEQ NOINIT
62D9	207EF3	8730	JSR DINI
62DC	60	8735	NOINIT RTS
62DD	A901	8740	NOWARM LDA #1
62DF	8D0103	8745	STA #0301
62E2	A953	8750	LDA #53
62E4	8D0203	8755	STA #0302
62E7	2053E4	8760	JSR \$E453
62EA	1001	8765	BPL DOBOOT
62EC	60	8770	RTS
62ED	A900	8775	DOBOOT LDA #0
62EF	8D0B03	8780	STA #030B
62F2	8D0403	8785	STA #0304
62F5	A901	8790	LDA #1
62F7	8D0A03	8795	STA #030A
62FA	A904	8800	LDA #4
62FC	8D0503	8805	STA #0305
62FF	EA	8810	NOP
6300	EA	8815	NOP
6301	20C0FC	8820	SECT1 JSR GETSEC
6304	1008	8825	BPL ALLSEC
6306	2081F3	8830	BADDSK JSR DSKRDE
6309	A54B	8835	LDA #4B
630B	F0E0	8840	BEQ DOBOOT
630D	60	8845	RTS
630E	A203	8850	ALLSEC LDX #3
6310	BD0004	8855	RDBYTE LDA \$0400,X
6313	9D4002	8860	STA #0240,X
6316	CA	8865	DEX
6317	10F7	8870	BPL RDBYTE
6319	AD4202	8875	LDA #0242
631C	8504	8880	STA #04
631E	AD4302	8885	LDA #0243
6321	8505	8890	STA #05
6323	AD0404	8895	LDA #0404
6326	850C	8900	STA #0C
6328	AD0504	8905	LDA #0405
632B	850D	8910	STA #0D
632D	A07F	8915	MVBUFF LDY #\$7F
632F	B90004	8920	MVNXB LDA \$0400,Y
6332	9104	8925	STA (\$04),Y
6334	88	8930	DEY
6335	10F8	8935	BPL MVNXB
6337	18	8940	CLC
6338	A504	8945	LDA #04

633A	6980	8950	ADC ##80
633C	8504	8955	STA \$04
633E	A505	8960	LDA \$05
6340	6900	8965	ADC #0
6342	8505	8970	STA \$05
6344	CE4102	8975	DEC \$0241
6347	F011	8980	BEQ ENBOOT
6349	EE0A03	8985	INC \$030A
634C	20C0FC	8990	SECTX JSR GETSEC
634F	10DC	8995	BPL MVBUFF
6351	2081F3	9000	JSR DSKRDE
6354	A54B	9005	LDA \$4B
6356	D0AE	9010	BNE BADDSK
6358	F0F2	9015	BEQ SECTX
635A	A54B	9020	ENBOOT LDA \$4B
635C	F003	9025	BEQ XBOOT
635E	20C0FC	9030	JSR GETSEC
6361	206CF3	9035	XBOOT JSR BLOAD
6364	B0A0	9040	BCS BADDSK
6366	207EF3	9045	JSR DINI
6369	E609	9050	INC \$09
636B	60	9055	RTS
636C	18	9060	BLOAD CLC
636D	AD4202	9065	LDA \$0242
6370	6906	9070	ADC #6
6372	8504	9075	STA \$04
6374	AD4302	9080	LDA \$0243
6377	6900	9085	ADC #0
6379	8505	9090	STA \$05
637B	6C0400	9095	JMP (\$04)
637E	6C0C00	9100	DINI JMP (\$0C)
6381	A20D	9105	DSKRDE LDX #DERRL
6383	A0F1	9110	LDY #DERRH
6385	8A	9115	PUTLIN TXA
6386	A200	9120	LDX #0
6388	9D4403	9125	STA \$0344,X
638B	98	9130	TYA
638C	9D4503	9135	STA \$0345,X
638F	A909	9140	LDA #9
6391	9D4203	9145	STA \$0342,X
6394	A9FF	9150	LDA #\$FF
6396	9D4803	9155	STA \$0348,X
6399	4C56E4	9160	JMP \$E456
639C	EA	9165	NOP
639D	EA	9170	NOP
639E	A508	9175	CSBOOT LDA \$08
63A0	F00A	9180	BEQ CSBOT2
63A2	A509	9185	LDA \$09
63A4	2902	9190	AND #2
63A6	F003	9195	BEQ NOCSB2
63A8	20CDF3	9200	JSR CINI
63AB	60	9205	NOCSB2 RTS
63AC	A54A	9210	CSBOT2 LDA \$4A
63AE	F01C	9215	BEQ NOCSBT
63B0	A980	9220	LDA ##80
63B2	853E	9225	STA \$3E
63B4	E64B	9230	INC \$4B
63B6	207DE4	9235	JSR \$E47D

63B9	2001F3	9240	JSR SECT1
63BC	A900	9245	LDA #0
63BE	854B	9250	STA \$4B
63C0	854A	9255	STA \$4A
63C2	0609	9260	ASL \$09
63C4	A50C	9265	LDA \$0C
63C6	8502	9270	STA \$02
63C8	A50D	9275	LDA \$0D
63CA	8503	9280	STA \$03
63CC	60	9285	NOCST RTS
63CD	6C0200	9290	CINI JMP (\$02)
63D0	A9FF	9295	PWRONA LDA #\$FF
63D2	8DFC02	9300	STA \$02FC
63D5	ADE602	9305	LDA \$02E6
63D8	29F0	9310	AND #\$F0
63DA	856A	9315	STA \$6A
63DC	A940	9320	LDA #\$40
63DE	8DBE02	9325	STA \$02BE
63E1	60	9330	RTS
63E2	A205	9335	DOPENO LDX #5
63E4	BDC8FE	9340	DOPEN8 LDA CLRTB-1,X
63E7	9DC302	9345	STA \$02C3,X
63EA	CA	9350	DEX
63EB	D0F7	9355	BNE DOPEN8
63ED	8664	9360	STX \$64
63EF	A46A	9365	LDY \$6A
63F1	88	9370	DEY
63F2	8C9502	9375	STY \$0295
63F5	60	9380	RTS
63F6	A52B	9385	DOPEN LDA \$2B ; OLD DOPEN
63F8	290F	9390	AND #\$0F
63FA	D008	9395	BNE OPNCOM
63FC	A52A	9400	EOPEN LDA \$2A
63FE	290F	9405	AND #\$0F
6400	852A	9410	STA \$2A
6402	A900	9415	LDA #0
6404	8557	9420	OPNCOM STA \$57
6406	20E2F3	9425	JSR DOPENO
6409	8E9302	9430	STX \$0293
640C	867B	9435	STX \$7B
640E	8EF002	9440	STX \$02F0
6411	A9E0	9445	LDA #\$E0
6413	8DF402	9450	STA \$02F4
6416	A902	9455	LDA #2
6418	8DF302	9460	STA \$02F3
641B	8D2F02	9465	STA \$022F
641E	A901	9470	LDA #1
6420	854C	9475	STA \$4C
6422	A00E	9480	LDY #14
6424	99A302	9485	CLRTBS STA \$02A3,Y
6427	88	9490	DEY
6428	10FA	9495	BPL CLRTBS
642A	A9C0	9500	LDA #\$C0
642C	0510	9505	ORA \$10
642E	8510	9510	STA \$10
6430	8D0ED2	9515	STA \$D20E
6433	A960	9520	LDA #\$60
6435	8D9402	9525	STA \$0294

6438	A657	9530	LDX #57
643A	BD55FE	9535	LDA ANCONV,X
643D	D004	9540	BNE DOPENA
643F	A991	9545	OPNERR LDA ##91
6441	854C	9550	STA #4C
6443	8551	9555	DOPENA STA #51
6445	A56A	9560	LDA #6A
6447	8565	9565	STA #65
6449	BC25FE	9570	LDY ALOCAT,X
644C	A928	9575	DOPEN1 LDA #40
644E	2021F9	9580	JSR DBSUB
6451	88	9585	DEY
6452	D0F8	9590	BNE DOPEN1
6454	AD6F02	9595	LDA #026F
6457	293F	9600	AND ##3F
6459	8567	9605	STA #67
645B	A8	9610	TAY
645C	E008	9615	CPX #8
645E	901F	9620	BCC NOT8
6460	E00F	9625	CPX #15
6462	F00D	9630	BEG MODE15
6464	E00C	9635	CPX #12
6466	B017	9640	BCS NOT8
6468	8A	9645	TXA
6469	6A	9650	ROR A
646A	6A	9655	ROR A
646B	6A	9660	ROR A
646C	29C0	9665	AND ##C0
646E	0567	9670	ORA #67
6470	A8	9675	TAY
6471	A910	9680	MODE15 LDA #16
6473	2021F9	9685	JSR DBSUB
6476	E00B	9690	CPX #11
6478	D005	9695	BNE NOT8
647A	A906	9700	LDA #6
647C	8DC802	9705	STA #02C8
647F	8C6F02	9710	NOT8 STY #026F
6482	A564	9715	LDA #64
6484	8558	9720	STA #58
6486	A565	9725	LDA #65
6488	8559	9730	STA #59
648A	AD0BD4	9735	VBWAIT LDA #D40B
648D	C97A	9740	CMP ##7A
648F	D0F9	9745	BNE VBWAIT
6491	201FF9	9750	JSR DBDEC
6494	BD65FE	9755	LDA FAGETB,X
6497	F006	9760	BEG NOMOD
6499	A9FF	9765	LDA ##FF
649B	8564	9770	STA #64
649D	C665	9775	DEC #65
649F	A564	9780	NOMOD LDA #64
64A1	8568	9785	STA #68
64A3	A565	9790	LDA #65
64A5	8569	9795	STA #69
64A7	2013F9	9800	JSR DBDDEC
64AA	A941	9805	LDA ##41
64AC	2017F9	9810	JSR STORE
64AF	8666	9815	STX #66

64B1	A918	9820	LDA #24
64B3	8DBF02	9825	STA \$02BF
64B6	A557	9830	LDA \$57
64B8	C90C	9835	CMF #12
64BA	B004	9840	BCS MODE12
64BC	C909	9845	CMF #9
64BE	B02D	9850	BCS NOTMXD
64C0	A52A	9855	MODE12 LDA \$2A
64C2	2910	9860	AND ##10
64C4	F027	9865	BEG NOTMXD
64C6	A904	9870	LDA #4
64C8	8DBF02	9875	STA \$02BF
64CB	A202	9880	LDX #2
64CD	A902	9885	DOPEN2 LDA #2
64CF	2017F9	9890	JSR STORE
64D2	CA	9895	DEX
64D3	10F8	9900	BPL DOPEN2
64D5	A46A	9905	LDY \$6A
64D7	88	9910	DEY
64D8	98	9915	TYA
64D9	2017F9	9920	JSR STORE
64DC	A960	9925	LDA ##60
64DE	2017F9	9930	JSR STORE
64E1	A942	9935	LDA ##42
64E3	2017F9	9940	JSR STORE
64E6	18	9945	CLC
64E7	A910	9950	LDA #MXDMDE-NUMDLE
64E9	6566	9955	ADC \$66
64EB	8566	9960	STA \$66
64ED	A466	9965	NOTMXD LDY \$66
64EF	BE35FE	9970	LDX NUMDLE,Y
64F2	A551	9975	DOPEN3 LDA \$51
64F4	2017F9	9980	JSR STORE
64F7	CA	9985	DEX
64F8	D0F8	9990	BNE DOPEN3
64FA	A557	9995	LDA \$57
64FC	C908	010000	CMF #8
64FE	9026	010005	BCC DOPEN5
6500	C90F	010010	CMF #15
6502	F004	010015	BEG MDE15
6504	C90C	010020	CMF #12
6506	B01E	010025	BCS DOPEN5
6508	A25D	010030	MDE15 LDX #93
650A	A56A	010035	LDA \$6A
650C	38	010040	SEC
650D	E910	010045	SBC ##10
650F	2017F9	010050	JSR STORE
6512	A900	010055	LDA #0
6514	2017F9	010060	JSR STORE
6517	A551	010065	LDA \$51
6519	0940	010070	DRA ##40
651B	2017F9	010075	JSR STORE
651E	A551	010080	DOPEN4 LDA \$51
6520	2017F9	010085	JSR STORE
6523	CA	010090	DEX
6524	D0F8	010095	BNE DOPEN4
6526	A559	010100	DOPEN5 LDA \$59
6528	2017F9	010105	JSR STORE

652B	A558	010110	LDA \$58
652D	2017F9	010115	JSR STORE
6530	A551	010120	LDA \$51
6532	0940	010125	ORA ##40
6534	A203	010130	LDX #3
6536	2017F9	010135	DOPEN6 JSR STORE
6539	A970	010140	LDA ##70
653B	CA	010145	DEX
653C	D0F8	010150	BNE DOPEN6
653E	A564	010155	LDA \$64
6540	8D3002	010160	STA \$0230
6543	A565	010165	LDA \$65
6545	8D3102	010170	STA \$0231
6548	A970	010175	LDA ##70
654A	2017F9	010180	JSR STORE
654D	A564	010185	LDA \$64
654F	8DE502	010190	STA \$02E5
6552	A565	010195	LDA \$65
6554	8DE602	010200	STA \$02E6
6557	A568	010205	LDA \$68
6559	8564	010210	STA \$64
655B	A569	010215	LDA \$69
655D	8565	010220	STA \$65
655F	AD3102	010225	LDA \$0231
6562	2017F9	010230	JSR STORE
6565	AD3002	010235	LDA \$0230
6568	2017F9	010240	JSR STORE
656B	A54C	010245	LDA \$4C
656D	1007	010250	BPL DOPEN9
656F	48	010255	PHA
6570	20FCF3	010260	JSR EOPEN
6573	68	010265	PLA
6574	A8	010270	TAY
6575	60	010275	RTS
6576	A52A	010280	DOPEN9 LDA \$2A
6578	2920	010285	AND ##20
657A	D00B	010290	BNE DOPEN7
657C	20B9F7	010295	JSR CLRSCR
657F	8D9002	010300	STA \$0290
6582	A552	010305	LDA \$52
6584	8D9102	010310	STA \$0291
6587	A922	010315	DOPEN7 LDA ##22
6589	0D2F02	010320	ORA \$022F
658C	8D2F02	010325	STA \$022F
658F	4C21F6	010330	JMP RETUR2
6592	EA	010335	NOP ; FILLER
6593	2096FA	010340	GETCH JSR RANGE
6596	20A2F5	010345	JSR GETPLT
6599	2032FB	010350	JSR INATAC
659C	20D4F9	010355	JSR INCRSB
659F	4C34F6	010360	JMP RETUR1
65A2	2047F9	010365	GETPLT JSR CONVRT
65A5	B164	010370	LDA (\$64),Y
65A7	2DA002	010375	AND \$02A0
65AA	466F	010380	SHIFTD LSR \$6F
65AC	B003	010385	BCS SHIFT1
65AE	4A	010390	LSR A
65AF	10F9	010395	BPL SHIFTD

65B1	8DFA02	010400	SHIFT1 STA #02FA
65B4	C900	010405	CMF #0
65B6	60	010410	RTS
65B7	8DFB02	010415	OUTCH STA #02FB
65BA	2096FA	010420	JSR RANGE
65BD	ADFB02	010425	OUTCHA LDA #02FB
65C0	C97D	010430	CMF #7D
65C2	D006	010435	BNE OUTCHE
65C4	20B9F7	010440	JSR CLRSCR
65C7	4C21F6	010445	JMP RETUR2
65CA	ADFB02	010450	OUTCHE LDA #02FB
65CD	C99B	010455	CMF #9B
65CF	D006	010460	BNE OUTCHB
65D1	2030FA	010465	JSR DOCRWS
65D4	4C21F6	010470	JMP RETUR2
65D7	20E0F5	010475	OUTCHB JSR OUTPLT
65DA	20D8F9	010480	JSR INCRSR
65DD	4C21F6	010485	JMP RETUR2
65E0	ADFF02	010490	OUTPLT LDA #02FF
65E3	D0FB	010495	BNE OUTPLT
65E5	A202	010500	LDX #2
65E7	B554	010505	CRLOOP LDA #54,X
65E9	955A	010510	STA #5A,X
65EB	CA	010515	DEX
65EC	10F9	010520	BPL CRLOOP
65EE	ADFB02	010525	LDA #02FB
65F1	A8	010530	TAY
65F2	2A	010535	ROL A
65F3	2A	010540	ROL A
65F4	2A	010545	ROL A
65F5	2A	010550	ROL A
65F6	2903	010555	AND #3
65F8	AA	010560	TAX
65F9	98	010565	TYA
65FA	299F	010570	AND #9F
65FC	1DF0FF	010575	DRA ATAINI,X
65FF	8DFA02	010580	OUTCH2 STA #02FA
6602	2047F9	010585	JSR CONVRT
6605	ADFA02	010590	LDA #02FA
6608	466F	010595	SHIFTU LSR #6F
660A	B004	010600	BCS SHIFT2
660C	0A	010605	ASL A
660D	4C08F6	010610	JMP SHIFTU
6610	2DA002	010615	SHIFT2 AND #02A0
6613	8550	010620	STA #50
6615	ADA002	010625	LDA #02A0
6618	49FF	010630	EOR #FF
661A	3164	010635	AND (#64),Y
661C	0550	010640	DRA #50
661E	9164	010645	STA (#64),Y
6620	60	010650	RTS
6621	20A2F5	010655	RETUR2 JSR GETPLT
6624	855D	010660	STA #5D
6626	A657	010665	LDX #57
6628	D00A	010670	BNE RETUR1
662A	AEF002	010675	LDX #02F0
662D	D005	010680	BNE RETUR1
662F	4980	010685	EOR #80

6631	20FFF5	010690	JSR OUTCH2
6634	A44C	010695	RETUR1 LDY #4C
6636	A901	010700	LDA #1
6638	854C	010705	STA #4C
663A	ADFB02	010710	LDA #02FB
663D	60	010715	NOFUNC RTS
663E	209BFC	010720	EGETCH JSR SWAP
6641	2088FA	010725	JSR ERANGE
6644	A56B	010730	LDA #6B
6646	D034	010735	BNE EGETC3
6648	A554	010740	LDA #54
664A	856C	010745	STA #6C
664C	A555	010750	LDA #55
664E	856D	010755	STA #6D
6650	20E2F6	010760	EGETC1 JSR KGETCH
6653	844C	010765	STY #4C
6655	ADFB02	010770	LDA #02FB
6658	C99B	010775	CMP ##9B
665A	F012	010780	BEQ EGETC2
665C	20ADF6	010785	JSR DOSS
665F	209BFC	010790	JSR SWAP
6662	A563	010795	LDA #63
6664	C971	010800	CMP #113
6666	D003	010805	BNE EGETC6
6668	200AF9	010810	JSR BELL
666B	4C50F6	010815	EGETC6 JMP EGETC1
666E	20E4FA	010820	EGETC2 JSR OFFCRS
6671	20F8FB	010825	JSR DOBUFC
6674	A56C	010830	LDA #6C
6676	8554	010835	STA #54
6678	A56D	010840	LDA #6D
667A	8555	010845	STA #55
667C	A56B	010850	EGETC3 LDA #6B
667E	F011	010855	BEQ EGETC5
6680	C66B	010860	EGETC7 DEC #6B
6682	F00D	010865	BEQ EGETC5
6684	A54C	010870	LDA #4C
6686	30F8	010875	BMI EGETC7
6688	2093F5	010880	JSR GETCH
668B	8DFB02	010885	STA #02FB
668E	4C9BFC	010890	JMP SWAP
6691	2030FA	010895	EGETC5 JSR DOCRWS
6694	A99B	010900	LDA ##9B
6696	8DFB02	010905	STA #02FB
6699	2021F6	010910	JSR RETUR2
669C	844C	010915	STY #4C
669E	4C9BFC	010920	JMP SWAP
66A1	6C6400	010925	JSRIND JMP (#64)
66A4	8DFB02	010930	EOUTCH STA #02FB
66A7	209BFC	010935	JSR SWAP
66AA	2088FA	010940	JSR ERANGE
66AD	20E4FA	010945	DOSS JSR OFFCRS
66B0	2015E9	010950	JSR TSTCTL
66B3	F009	010955	BEQ EOUTC5
66B5	0EA202	010960	EOUTC6 ASL #02A2
66B8	20CAF5	010965	JSR OUTCHE
66BB	4C9BFC	010970	ERETN JMP SWAP
66BE	ADFE02	010975	EOUTC5 LDA #02FE

66C1	0DA202	010980	ORA \$02A2
66C4	D0EF	010985	BNE EDUTC6
66C6	0EA202	010990	ASL \$02A2
66C9	E8	010995	INX
66CA	BDCEFE	011000	LDA CNTRLS,X
66CD	8564	011005	STA \$64
66CF	BDCFFE	011010	LDA CNTRLS+1,X
66D2	8565	011015	STA \$65
66D4	20A1F6	011020	JSR JSRIND
66D7	2021F6	011025	JSR RETUR2
66DA	4C9BFC	011030	JMP SWAP
66DD	A9FF	011035	KGETC2 LDA ##FF
66DF	8DFC02	011040	STA \$02FC
66E2	A52A	011045	KGETCH LDA \$2A
66E4	4A	011050	LSR A
66E5	B062	011055	BCS GETOUT
66E7	A980	011060	LDA ##80
66E9	A611	011065	LDX #11
66EB	F058	011070	BEQ K7
66ED	ADFC02	011075	LDA \$02FC
66F0	C9FF	011080	CMP ##FF
66F2	F0EE	011085	BEQ KGETCH
66F4	857C	011090	STA \$7C
66F6	A2FF	011095	LDX ##FF
66F8	8EFC02	011100	STX \$02FC
66FB	20F2F0	011105	JSR CLICK
66FE	AA	011110	KGETC3 TAX
66FF	E0C0	011115	CPX ##C0
6701	9002	011120	BCC ASCC01
6703	A203	011125	LDX #3
6705	BDFEFE	011130	ASCC01 LDA ATASCI,X
6708	8DFB02	011135	STA \$02FB
670B	C980	011140	CMP ##80
670D	F0CE	011145	BEQ KGETC2
670F	C981	011150	CMP ##81
6711	D00B	011155	BNE KGETC1
6713	ADB602	011160	LDA \$02B6
6716	4980	011165	EOR ##80
6718	8DB602	011170	STA \$02B6
671B	4CDDF6	011175	JMP KGETC2
671E	C982	011180	KGETC1 CMP ##82
6720	D007	011185	BNE K1
6722	A900	011190	LDA #0
6724	8DBE02	011195	STA \$02BE
6727	F0B4	011200	BEQ KGETC2
6729	C983	011205	K1 CMP ##83
672B	D007	011210	BNE K2
672D	A940	011215	LDA ##40
672F	8DBE02	011220	STA \$02BE
6732	D0A9	011225	BNE KGETC2
6734	C984	011230	K2 CMP ##84
6736	D007	011235	BNE K3
6738	A980	011240	LDA ##80
673A	8DBE02	011245	STA \$02BE
673D	D09E	011250	BNE KGETC2
673F	C985	011255	K3 CMP ##85
6741	D00A	011260	BNE K6
6743	A988	011265	LDA ##88

6745 854C	011270 K7 STA #4C
6747 8511	011275 STA #11
6749 A99B	011280 GETOUT LDA ##9B
674B D026	011285 BNE K8
674D A57C	011290 K6 LDA #7C
674F C940	011295 CMP ##40
6751 B015	011300 BCS K5
6753 ADFB02	011305 LDA #02FB
6756 C961	011310 CMP ##61
6758 900E	011315 BCC K5
675A C97B	011320 CMP ##7B
675C B00A	011325 BCS K5
675E ADBE02	011330 LDA #02BE
6761 F005	011335 BEQ K5
6763 057C	011340 ORA #7C
6765 4CFEF6	011345 JMP KGETC3
6768 2015E9	011350 K5 JSR TSTCTL
676B F009	011355 BEQ K4
676D ADFB02	011360 LDA #02FB
6770 4DB602	011365 EOR #02B6
6773 8DFB02	011370 K8 STA #02FB
6776 4C34F6	011375 K4 JMP RETUR1
6779 A980	011380 ESCAPE LDA ##80
677B 8DA202	011385 STA #02A2
677E 60	011390 RTS
677F C654	011395 CRSRUP DEC #54
6781 1006	011400 BPL COMRET
6783 AEBF02	011405 LDX #02BF
6786 CA	011410 DEX
6787 8654	011415 UPDNCM STX #54
6789 4C54FC	011420 COMRET JMP STRBEG
678C E654	011425 CRSRDN INC #54
678E A554	011430 LDA #54
6790 CDBF02	011435 CMP #02BF
6793 90F4	011440 BCC COMRET
6795 A200	011445 LDX #0
6797 F0EE	011450 BEQ UPDNCM
6799 C655	011455 CRSRLF DEC #55
679B A555	011460 LDA #55
679D 3004	011465 BMI CRSRL1
679F C552	011470 CMP #52
67A1 B004	011475 BCS COMRE1
67A3 A553	011480 CRSRL1 LDA #53
67A5 8555	011485 LFRTCM STA #55
67A7 4CD5FB	011490 COMRE1 JMP DOLCOL
67AA E655	011495 CRSRRT INC #55
67AC A555	011500 LDA #55
67AE C553	011505 CMP #53
67B0 90F5	011510 BCC COMRE1
67B2 F0F3	011515 BEQ COMRE1
67B4 A552	011520 LDA #52
67B6 4CA5F7	011525 JMP LFRTCM
67B9 20D4FC	011530 CLRSCR JSR PUTMSC
67BC A000	011535 LDY #0
67BE 98	011540 TYA
67BF 9164	011545 CLRSC2 STA (#64),Y
67C1 C8	011550 INY
67C2 D0FB	011555 BNE CLRSC2

67C4 E665	011560 INC #65
67C6 A665	011565 LDX #65
67C8 E46A	011570 CPX #6A
67CA 90F3	011575 BCC CLRSC2
67CC A9FF	011580 LDA ##FF
67CE 99B202	011585 CLRSC3 STA #02B2,Y
67D1 C8	011590 INY
67D2 C004	011595 CPY #4
67D4 90F8	011600 BCC CLRSC3
67D6 20FEF0	011605 HOME JSR COLCR
67D9 8563	011610 STA #63
67DB 856D	011615 STA #6D
67DD A900	011620 LDA #0
67DF 8554	011625 STA #54
67E1 8556	011630 STA #56
67E3 856C	011635 STA #6C
67E5 60	011640 RTS
67E6 A563	011645 BS LDA #63
67E8 C552	011650 CMP #52
67EA F021	011655 BEQ BS1
67EC A555	011660 BSA LDA #55
67EE C552	011665 CMP #52
67F0 D003	011670 BNE BS3
67F2 206BFC	011675 JSR DELTIM
67F5 2099F7	011680 BS3 JSR CRSRLF
67F8 A555	011685 LDA #55
67FA C553	011690 CMP #53
67FC D007	011695 BNE BS2
67FE A554	011700 LDA #54
6800 F003	011705 BEQ BS2
6802 207FF7	011710 JSR CRSRUP
6805 A920	011715 BS2 LDA ##20
6807 8DFB02	011720 STA #02FB
680A 20E0F5	011725 JSR OUTPLT
680D 4CD5FB	011730 BS1 JMP DOLCOL
6810 20AAF7	011735 TAB JSR CRSRRT
6813 A555	011740 LDA #55
6815 C552	011745 CMP #52
6817 D00A	011750 BNE TAB1
6819 2034FA	011755 JSR DOCR
681C 2020FB	011760 JSR LOGGET
681F 9002	011765 BCC TAB1
6821 B007	011770 BCS TAB2
6823 A563	011775 TAB1 LDA #63
6825 2025FB	011780 JSR BITGET
6828 90E6	011785 BCC TAB
682A 4CD5FB	011790 TAB2 JMP DOLCOL
682D A563	011795 SETTAB LDA #63
682F 4C06FB	011800 JMP BITSET
6832 A563	011805 CLRTAB LDA #63
6834 4C12FB	011810 JMP BITCLR
6837 2085FC	011815 INSCHR JSR FHACRS
683A 20A2F5	011820 JSR GETPLT
683D 857D	011825 STA #7D
683F A900	011830 LDA #0
6841 8DBB02	011835 STA #02BB
6844 20FFF5	011840 INSCH4 JSR OUTCH2
6847 A563	011845 LDA #63

6849	48	011850	PHA
684A	20DCF9	011855	JSR INCRSA
684D	68	011860	PLA
684E	C563	011865	CMF \$63
6850	B00C	011870	BCS INSCH3
6852	A57D	011875	INSCH1 LDA \$7D
6854	48	011880	PHA
6855	20A2F5	011885	JSR GETFLT
6858	857D	011890	STA \$7D
685A	68	011895	PLA
685B	4C44F8	011900	JMP INSCH4
685E	2090FC	011905	INSCH3 JSR FLACRS
6861	CEBB02	011910	INSCH6 DEC \$02BB
6864	3004	011915	BMI INSCH5
6866	C654	011920	DEC \$54
6868	D0F7	011925	BNE INSCH6
686A	4CD5FB	011930	INSCH5 JMP DOLCOL
686D	2085FC	011935	DELCHR JSR PHACRS
6870	2047F9	011940	DELCH1 JSR CONVRT
6873	A564	011945	LDA \$64
6875	8568	011950	STA \$68
6877	A565	011955	LDA \$65
6879	8569	011960	STA \$69
687B	A563	011965	LDA \$63
687D	48	011970	PHA
687E	20D4F9	011975	JSR INCRSB
6881	68	011980	PLA
6882	C563	011985	CMF \$63
6884	B010	011990	BCS DELCH2
6886	A554	011995	LDA \$54
6888	CDBF02	012000	CMF \$02BF
688B	B009	012005	BCS DELCH2
688D	20A2F5	012010	JSR GETFLT
6890	A000	012015	LDY #0
6892	9168	012020	STA (\$68),Y
6894	F0DA	012025	BEQ DELCH1
6896	A000	012030	DELCH2 LDY #0
6898	98	012035	TYA
6899	9168	012040	STA (\$68),Y
689B	2060FC	012045	JSR DELTIA
689E	2090FC	012050	JSR FLACRS
68A1	4CD5FB	012055	JMP DOLCOL
68A4	38	012060	INSLIN SEC
68A5	207BFB	012065	INSLIA JSR EXTEND
68A8	A552	012070	LDA \$52
68AA	8555	012075	STA \$55
68AC	2047F9	012080	JSR CONVRT
68AF	A564	012085	LDA \$64
68B1	8568	012090	STA \$68
68B3	18	012095	CLC
68B4	6928	012100	ADC #40
68B6	8566	012105	STA \$66
68B8	A565	012110	LDA \$65
68BA	8569	012115	STA \$69
68BC	6900	012120	ADC #0
68BE	8567	012125	STA \$67
68C0	A654	012130	LDX \$54
68C2	E017	012135	CPX #23

68C4 F008	012140 BEQ INSLI2
68C6 204EFB	012145 INSLI1 JSR MOVLIN
68C9 E8	012150 INX
68CA E017	012155 CPX #23
68CC D0F8	012160 BNE INSLI1
68CE 209BFB	012165 INSLI2 JSR CLRLIN
68D1 4CD5FB	012170 JMP DOLCOL
68D4 20D5FB	012175 DELLIN JSR DOLCOL
68D7 A451	012180 DELLIA LDY #51
68D9 8454	012185 STY #54
68DB A454	012190 DELLIB LDY #54
68DD 98	012195 DELLI1 TYA
68DE 38	012200 SEC
68DF 2023FB	012205 JSR L02GET
68E2 08	012210 PHP
68E3 98	012215 TYA
68E4 18	012220 CLC
68E5 6978	012225 ADC #120
68E7 28	012230 PLP
68E8 2004FB	012235 JSR BITPUT
68EB C8	012240 INY
68EC C018	012245 CPY #24
68EE D0ED	012250 BNE DELLI1
68F0 ADB402	012255 LDA #02B4
68F3 0901	012260 ORA #1
68F5 8DB402	012265 STA #02B4
68F8 A552	012270 DELLI2 LDA #52
68FA 8555	012275 STA #55
68FC 2047F9	012280 JSR CONVRT
68FF 20B2FB	012285 JSR SCROL1
6902 2020FB	012290 JSR LOGGET
6905 90D4	012295 BCC DELLIB
6907 4CD5FB	012300 JMP DOLCOL
690A A020	012305 BELL LDY #20
690C 20F2F0	012310 BELL1 JSR CLICK
690F 88	012315 DEY
6910 10FA	012320 BPL BELL1
6912 60	012325 RTS
6913 A902	012330 DBDDEC LDA #2
6915 D00A	012335 BNE DBSUB
6917 A44C	012340 STORE LDY #4C
6919 302B	012345 BMI STROK
691B A000	012350 LDY #0
691D 9164	012355 STORE1 STA (#64),Y
691F A901	012360 DBDEC LDA #1
6921 8D9E02	012365 DBSUB STA #029E
6924 A54C	012370 LDA #4C
6926 301E	012375 BMI STROK
6928 A564	012380 LDA #64
692A 38	012385 SEC
692B ED9E02	012390 SBC #029E
692E 8564	012395 STA #64
6930 B002	012400 BCS DBSUB1
6932 C665	012405 DEC #65
6934 A50F	012410 DBSUB1 LDA #0F
6936 C565	012415 CMP #65
6938 900C	012420 BCC STROK
693A D006	012425 BNE STRERR

693C	A50E	012430	LDA \$0E
693E	C564	012435	CMP \$64
6940	9004	012440	BCC STROK
6942	A993	012445	STRERR LDA ##93
6944	854C	012450	STA \$4C
6946	60	012455	STROK RTS
6947	A554	012460	CONVRT LDA \$54
6949	48	012465	PHA
694A	A555	012470	LDA \$55
694C	48	012475	PHA
694D	A556	012480	LDA \$56
694F	48	012485	PHA
6950	20D4FC	012490	JSR FUTMSC
6953	A554	012495	LDA \$54
6955	8566	012500	STA \$66
6957	A900	012505	LDA #0
6959	8567	012510	STA \$67
695B	A566	012515	LDA \$66
695D	0A	012520	ASL A
695E	2667	012525	ROL \$67
6960	8551	012530	STA \$51
6962	A467	012535	LDY \$67
6964	8C9F02	012540	STY \$029F
6967	0A	012545	ASL A
6968	2667	012550	ROL \$67
696A	0A	012555	ASL A
696B	2667	012560	ROL \$67
696D	18	012565	CLC
696E	6551	012570	ADC \$51
6970	8566	012575	STA \$66
6972	A567	012580	LDA \$67
6974	6D9F02	012585	ADC \$029F
6977	8567	012590	STA \$67
6979	A657	012595	LDX \$57
697B	BC75FE	012600	LDY DHLINE,X
697E	88	012605	CONVR1 DEY
697F	3007	012610	BMI CONVR2
6981	0666	012615	ASL \$66
6983	2667	012620	ROL \$67
6985	4C7EF9	012625	JMP CONVR1
6988	BCA5FE	012630	CONVR2 LDY DIV2TB,X
698B	A555	012635	LDA \$55
698D	A207	012640	LDX #7
698F	88	012645	CONVR3 DEY
6990	300A	012650	BMI CONVR4
6992	CA	012655	DEX
6993	4656	012660	LSR \$56
6995	6A	012665	ROR A
6996	6EA102	012670	ROR \$02A1
6999	4C8FF9	012675	JMP CONVR3
699C	C8	012680	CONVR4 INY
699D	18	012685	CLC
699E	6566	012690	ADC \$66
69A0	8566	012695	STA \$66
69A2	9002	012700	BCC CONVR5
69A4	E667	012705	INC \$67
69A6	38	012710	CONVR5 SEC
69A7	6EA102	012715	CONVR6 ROR \$02A1

69AA 18	012720	CLC
69AB CA	012725	DEX
69AC 10F9	012730	BPL CONVR6
69AE AEA102	012735	LDX #02A1
69B1 A566	012740	LDA #66
69B3 18	012745	CLC
69B4 6564	012750	ADC #64
69B6 8564	012755	STA #64
69B8 855E	012760	STA #5E
69BA A567	012765	LDA #67
69BC 6565	012770	ADC #65
69BE 8565	012775	STA #65
69C0 855F	012780	STA #5F
69C2 BDB5FE	012785	LDA DMASKT,X
69C5 8DA002	012790	STA #02A0
69C8 856F	012795	STA #6F
69CA 68	012800	FLA
69CB 8556	012805	STA #56
69CD 68	012810	FLA
69CE 8555	012815	STA #55
69D0 68	012820	FLA
69D1 8554	012825	STA #54
69D3 60	012830	RTS
69D4 A900	012835	INCRSB LDA #0
69D6 F002	012840	BEQ INCRSC
69D8 A99B	012845	INCRSR LDA #9B
69DA 857D	012850	INCRSC STA #7D
69DC E663	012855	INCRSA INC #63
69DE E655	012860	INC #55
69E0 D002	012865	BNE INCSR2
69E2 E656	012870	INC #56
69E4 A555	012875	INCSR2 LDA #55
69E6 A657	012880	LDX #57
69E8 DD85FE	012885	CMP COLUMN,X
69EB F00B	012890	BEQ INC2A
69ED E000	012895	CPX #0
69EF D006	012900	BNE INCRS3
69F1 C553	012905	CMP #53
69F3 F002	012910	BEQ INCRS3
69F5 B001	012915	BCS INC2A
69F7 60	012920	INCRS3 RTS
69F8 E008	012925	INC2A CPX #8
69FA 9004	012930	BCC DOCR1
69FC A556	012935	LDA #56
69FE F0F7	012940	BEQ INCRS3
6A00 A557	012945	DOCR1 LDA #57
6A02 D030	012950	BNE DOCR
6A04 A563	012955	LDA #63
6A06 C951	012960	CMP #81
6A08 900A	012965	BCC DOCR1B
6A0A A57D	012970	LDA #7D
6A0C F026	012975	BEQ DOCR
6A0E 2030FA	012980	JSR DOCRWS
6A11 4C77FA	012985	JMP INCRS1
6A14 2034FA	012990	DOCR1B JSR DOCR
6A17 A554	012995	LDA #54
6A19 18	013000	CLC
6A1A 6978	013005	ADC #120

6A1C	2025FB	013010	JSR BITGET
6A1F	9008	013015	BCC DOCR1A
6A21	A57D	013020	LDA #7D
6A23	F004	013025	BEQ DOCR1A
6A25	18	013030	CLC
6A26	20A5F8	013035	JSR INSLIA
6A29	4CD5FB	013040	DOCR1A JMP DOLCOL
6A2C	A900	013045	NOSCR1 LDA #0
6A2E	F002	013050	BEQ NOSCR1
6A30	A99B	013055	DOCRWS LDA ##9B
6A32	857D	013060	NOSCR1 STA #7D
6A34	20FEF0	013065	DOCR JSR COLCR
6A37	A900	013070	LDA #0
6A39	8556	013075	STA #56
6A3B	E654	013080	INC #54
6A3D	A657	013085	DOCR2 LDX #57
6A3F	A018	013090	LDY #24
6A41	247B	013095	BIT #7B
6A43	1005	013100	BPL DOCR2A
6A45	A004	013105	LDY #4
6A47	98	013110	TYA
6A48	D003	013115	BNE DOCR2B
6A4A	BD95FE	013120	DOCR2A LDA NOROWS,X
6A4D	C554	013125	DOCR2B CMP #54
6A4F	D026	013130	BNE INCRS1
6A51	8C9D02	013135	STY #029D
6A54	8A	013140	TXA
6A55	D020	013145	BNE INCRS1
6A57	A57D	013150	LDA #7D
6A59	F01C	013155	BEQ INCRS1
6A5B	C99B	013160	CMP ##9B
6A5D	38	013165	SEC
6A5E	F001	013170	BEQ DOCR4B
6A60	18	013175	CLC
6A61	20ACFB	013180	DOCR4B JSR SCROLL
6A64	EEBB02	013185	INC #02BB
6A67	C66C	013190	DEC #6C
6A69	CE9D02	013195	DEC #029D
6A6C	ADB202	013200	LDA #02B2
6A6F	38	013205	SEC
6A70	10EF	013210	BPL DOCR4B
6A72	AD9D02	013215	LDA #029D
6A75	8554	013220	STA #54
6A77	4CD5FB	013225	INCRS1 JMP DOLCOL
6A7A	38	013230	SUBEND SEC
6A7B	B570	013235	LDA #70,X
6A7D	E574	013240	SBC #74
6A7F	9570	013245	STA #70,X
6A81	B571	013250	LDA #71,X
6A83	E575	013255	SBC #75
6A85	9571	013260	STA #71,X
6A87	60	013265	RTS
6A88	ADBF02	013270	ERANGE LDA #02BF
6A8B	C904	013275	CMP #4
6A8D	F007	013280	BEQ RANGE
6A8F	A557	013285	LDA #57
6A91	F003	013290	BEQ RANGE
6A93	20FCF3	013295	JSR EOPEN

6A96 A927	013300 RANGE LDA #39
6A98 C553	013305 CMP #53
6A9A B002	013310 BCS RANGE3
6A9C 8553	013315 STA #53
6A9E A657	013320 RANGE3 LDX #57
6AA0 BD95FE	013325 LDA NOROWS,X
6AA3 C554	013330 CMP #54
6AA5 902A	013335 BCC RNGERR
6AA7 F028	013340 BEQ RNGERR
6AA9 E008	013345 CPX #8
6AAB D00A	013350 BNE RANGE1
6AAD A556	013355 LDA #56
6AAF F013	013360 BEQ RNGOK
6AB1 C901	013365 CMP #1
6AB3 D01C	013370 BNE RNGERR
6AB5 F004	013375 BEQ RANGE2
6AB7 A556	013380 RANGE1 LDA #56
6AB9 D016	013385 BNE RNGERR
6ABB BD85FE	013390 RANGE2 LDA COLUMN,X
6ABE C555	013395 CMP #55
6AC0 900F	013400 BCC RNGERR
6AC2 F00D	013405 BEQ RNGERR
6AC4 A901	013410 RNGOK LDA #1
6AC6 854C	013415 STA #4C
6AC8 A980	013420 LDA ##80
6ACA A611	013425 LDX #11
6ACC 8511	013430 STA #11
6ACE F006	013435 BEQ RINGER2
6AD0 60	013440 RTS
6AD1 20D6F7	013445 RNGERR JSR HOME
6AD4 A98D	013450 LDA ##8D
6AD6 854C	013455 RINGER2 STA #4C
6AD8 68	013460 RINGER1 PLA
6AD9 68	013465 PLA
6ADA A57B	013470 LDA #7B
6ADC 1003	013475 BPL RETUR3
6ADE 20A1FC	013480 JSR SWAPA
6AE1 4C34F6	013485 RETUR3 JMP RETUR1
6AE4 A000	013490 OFFCRS LDY #0
6AE6 A55D	013495 LDA #5D
6AE8 915E	013500 STA (\$5E),Y
6AEA 60	013505 RTS
6AEB 48	013510 BITCON PHA
6AEC 2907	013515 AND #7
6AEE AA	013520 TAX
6AEF BDBDFE	013525 LDA MASKTB,X
6AF2 856E	013530 STA #6E
6AF4 68	013535 PLA
6AF5 4A	013540 LSR A
6AF6 4A	013545 LSR A
6AF7 4A	013550 LSR A
6AF8 AA	013555 TAX
6AF9 60	013560 RTS
6AFA 2EB402	013565 BITROL ROL #02B4
6AFD 2EB302	013570 ROL #02B3
6B00 2EB202	013575 ROL #02B2
6B03 60	013580 RTS
6B04 900C	013585 BITPUT BCC BITCLR

6B06 20EBFA	013590 BITSET JSR BITCON
6B09 BDA302	013595 LDA #02A3,X
6B0C 056E	013600 ORA #6E
6B0E 9DA302	013605 STA #02A3,X
6B11 60	013610 RTS
6B12 20EBFA	013615 BITCLR JSR BITCON
6B15 A56E	013620 LDA #6E
6B17 49FF	013625 EOR #\$FF
6B19 3DA302	013630 AND #02A3,X
6B1C 9DA302	013635 STA #02A3,X
6B1F 60	013640 RTS
6B20 A554	013645 LOGGET LDA #54
6B22 18	013650 LO1GET CLC
6B23 6978	013655 LO2GET ADC #120
6B25 20EBFA	013660 BITGET JSR BITCON
6B28 18	013665 CLC
6B29 BDA302	013670 LDA #02A3,X
6B2C 256E	013675 AND #6E
6B2E F001	013680 BEQ BITGE1
6B30 38	013685 SEC
6B31 60	013690 BITGE1 RTS
6B32 ADFA02	013695 INATAC LDA #02FA
6B35 A457	013700 LDY #57
6B37 C003	013705 CPY #3
6B39 B00F	013710 BCS INATA1
6B3B 2A	013715 ROL A
6B3C 2A	013720 ROL A
6B3D 2A	013725 ROL A
6B3E 2A	013730 ROL A
6B3F 2903	013735 AND #3
6B41 AA	013740 TAX
6B42 ADFA02	013745 LDA #02FA
6B45 299F	013750 AND #\$9F
6B47 1DF4FF	013755 ORA INTATA,X
6B4A 8DFB02	013760 INATA1 STA #02FB
6B4D 60	013765 RTS
6B4E A902	013770 MOVLIN LDA #2
6B50 8565	013775 STA #65
6B52 A947	013780 LDA #\$47
6B54 8564	013785 STA #64
6B56 A027	013790 LDY #39
6B58 B166	013795 MOVL11 LDA (\$66),Y
6B5A 8550	013800 STA #50
6B5C B168	013805 LDA (\$68),Y
6B5E 9166	013810 STA (\$66),Y
6B60 A550	013815 LDA #50
6B62 9164	013820 STA (\$64),Y
6B64 88	013825 DEY
6B65 10F1	013830 BPL MOVL11
6B67 A565	013835 LDA #65
6B69 8569	013840 STA #69
6B6B A564	013845 LDA #64
6B6D 8568	013850 STA #68
6B6F 18	013855 CLC
6B70 A566	013860 LDA #66
6B72 6928	013865 ADC #40
6B74 8566	013870 STA #66
6B76 9002	013875 BCC MOVL12

6B7B E667	013880	INC #67
6B7A 60	013885	MOVL12 RTS
6B7B 08	013890	EXTEND PHP
6B7C A017	013895	LDY #23
6B7E 98	013900	EXTEN1 TYA
6B7F 2022FB	013905	JSR L016ET
6B82 08	013910	PHP
6B83 98	013915	TYA
6B84 18	013920	CLC
6B85 6979	013925	ADC #121
6B87 28	013930	PLP
6B88 2004FB	013935	JSR BITPUT
6B8B 88	013940	EXTEN3 DEY
6B8C 3004	013945	BMI EXTEN4
6B8E C454	013950	CPY #54
6B90 B0EC	013955	BCS EXTEN1
6B92 A554	013960	EXTEN4 LDA #54
6B94 18	013965	CLC
6B95 6978	013970	ADC #120
6B97 28	013975	PLP
6B98 4C04FB	013980	JMP BITPUT
6B9B A552	013985	CLRLIN LDA #52
6B9D B555	013990	STA #55
6B9F 2047F9	013995	JSR CONVRT
6BA2 A027	014000	LDY #39
6BA4 A900	014005	LDA #0
6BA6 9164	014010	CLRLI1 STA (\$64),Y
6BA8 88	014015	DEY
6BA9 10FB	014020	BPL CLRLI1
6BAB 60	014025	RTS
6BAC 20FAFA	014030	SCROLL JSR BITROL
6BAF 20D4FC	014035	JSR PUTMSC
6BB2 A028	014040	SCROL1 LDY #40
6BB4 B164	014045	LDA (\$64),Y
6BB6 A66A	014050	LDX #6A
6BB8 CA	014055	DEX
6BB9 E465	014060	CPX #65
6BBB D008	014065	BNE SCROL2
6BBD A2D7	014070	LDX #\$D7
6BBF E464	014075	CPX #64
6BC1 B002	014080	BCS SCROL2
6BC3 A900	014085	LDA #0
6BC5 A000	014090	SCROL2 LDY #0
6BC7 9164	014095	STA (\$64),Y
6BC9 E664	014100	INC #64
6BCB D0E5	014105	BNE SCROL1
6BCD E665	014110	INC #65
6BCF A565	014115	LDA #65
6BD1 C56A	014120	CMP #6A
6BD3 D0DD	014125	BNE SCROL1
6BD5 A900	014130	DOLCOL LDA #0
6BD7 B563	014135	STA #63
6BD9 A554	014140	LDA #54
6BDB B551	014145	STA #51
6BDD A551	014150	DOLCO1 LDA #51
6BDF 2022FB	014155	JSR L016ET
6BE2 B00C	014160	BCS DOLCO2
6BE4 A563	014165	LDA #63

6BE6 18	014170	CLC
6BE7 6928	014175	ADC #40
6BE9 8563	014180	STA \$63
6BEB C651	014185	DEC \$51
6BED 4CDDFB	014190	JMP DOLCO1
6BF0 18	014195	DOLCO2 CLC
6BF1 A563	014200	LDA \$63
6BF3 6555	014205	ADC \$55
6BF5 8563	014210	STA \$63
6BF7 60	014215	RTS
6BF8 2085FC	014220	DOBUFC JSR PHACRS
6BFB A563	014225	LDA \$63
6BFD 48	014230	PHA
6BFE A56C	014235	LDA \$6C
6C00 8554	014240	STA \$54
6C02 A56D	014245	LDA \$6D
6C04 8555	014250	STA \$55
6C06 A901	014255	LDA #1
6C08 856B	014260	STA \$6B
6C0A A217	014265	DOBUF1 LDX #23
6C0C A57B	014270	LDA \$7B
6C0E 1002	014275	BPL DOB1
6C10 A203	014280	LDX #3
6C12 E454	014285	DOB1 CFX \$54
6C14 D00B	014290	BNE DOBU1A
6C16 A555	014295	LDA \$55
6C18 C553	014300	CMP \$53
6C1A D005	014305	BNE DOBU1A
6C1C E66B	014310	INC \$6B
6C1E 4C31FC	014315	JMP DOBUF2
6C21 20D4F9	014320	DOBU1A JSR INCRSB
6C24 E66B	014325	INC \$6B
6C26 A563	014330	LDA \$63
6C28 C552	014335	CMP \$52
6C2A D0DE	014340	BNE DOBUF1
6C2C C654	014345	DEC \$54
6C2E 2099F7	014350	JSR CRSRLF
6C31 20A2F5	014355	DOBUF2 JSR GETPLT
6C34 D017	014360	BNE DOBUF4
6C36 C66B	014365	DEC \$6B
6C38 A563	014370	LDA \$63
6C3A C552	014375	CMP \$52
6C3C F00F	014380	BEQ DOBUF4
6C3E 2099F7	014385	JSR CRSRLF
6C41 A555	014390	LDA \$55
6C43 C553	014395	CMP \$53
6C45 D002	014400	BNE DOBUF3
6C47 C654	014405	DEC \$54
6C49 A56B	014410	DOBUF3 LDA \$6B
6C4B D0E4	014415	BNE DOBUF2
6C4D 68	014420	DOBUF4 PLA
6C4E 8563	014425	STA \$63
6C50 2090FC	014430	JSR FLACRS
6C53 60	014435	RTS
6C54 20D5FB	014440	STRBEG JSR DOLCOL
6C57 A551	014445	LDA \$51
6C59 856C	014450	STA \$6C
6C5B A552	014455	LDA \$52

6C5D 856D	014460 STA \$6D
6C5F 60	014465 RTS
6C60 A563	014470 DELTIA LDA \$63
6C62 C552	014475 CMP \$52
6C64 D002	014480 BNE DELTIB
6C66 C654	014485 DEC \$54
6C68 20D5FB	014490 DELTIB JSR DOLCOL
6C6B A563	014495 DELTIM LDA \$63
6C6D C552	014500 CMP \$52
6C6F F013	014505 BEQ DELTI3
6C71 2047F9	014510 JSR CONVRT
6C74 A553	014515 LDA \$53
6C76 38	014520 SEC
6C77 E552	014525 SBC \$52
6C79 A8	014530 TAY
6C7A B164	014535 DELTI1 LDA (\$64),Y
6C7C D006	014540 BNE DELTI3
6C7E 88	014545 DEY
6C7F 10F9	014550 BPL DELTI1
6C81 4CDBF8	014555 DELTI2 JMP DELLIB
6C84 60	014560 DELTI3 RTS
6C85 A202	014565 PHACRS LDX #2
6C87 B554	014570 PHACR1 LDA \$54,X
6C89 9DB802	014575 STA \$02B8,X
6C8C CA	014580 DEX
6C8D 10F8	014585 BPL PHACR1
6C8F 60	014590 RTS
6C90 A202	014595 FLACRS LDX #2
6C92 BDB802	014600 FLACR1 LDA \$02B8,X
6C95 9554	014605 STA \$54,X
6C97 CA	014610 DEX
6C98 10F8	014615 BPL FLACR1
6C9A 60	014620 RTS
6C9B 20A1FC	014625 SWAP JSR SWAPA
6C9E 4C34F6	014630 JMP RETUR1
6CA1 ADBF02	014635 SWAPA LDA \$02BF
6CA4 C918	014640 CMP #24
6CA6 F017	014645 BEQ SWAP3
6CA8 A20B	014650 LDX #11
6CAA B554	014655 SWAP1 LDA \$54,X
6CAC 48	014660 PHA
6CAD BD9002	014665 LDA \$0290,X
6CB0 9554	014670 STA \$54,X
6CB2 68	014675 PLA
6CB3 9D9002	014680 STA \$0290,X
6CB6 CA	014685 DEX
6CB7 10F1	014690 BPL SWAP1
6CB9 A57B	014695 LDA \$7B
6CBB 49FF	014700 EOR #\$FF
6CBD 857B	014705 STA \$7B
6CBF 60	014710 SWAP3 RTS
6CC0 A54B	014715 GETSEC LDA \$4B
6CC2 F003	014720 BEQ DISKM
6CC4 4C7AE4	014725 JMP \$E47A
6CC7 A952	014730 DISKM LDA #\$52
6CC9 8D0203	014735 STA \$0302
6CCC A901	014740 LDA #1
6CCE 8D0103	014745 STA \$0301

6CD1	4C53E4	014750	JMP \$E453
6CD4	A558	014755	FUTMSC LDA \$58
6CD6	8564	014760	STA \$64
6CD8	A559	014765	LDA \$59
6CDA	8565	014770	STA \$65
6CDC	60	014775	RTS
6CDD	A200	014780	DRAW LDX #0
6CDF	A522	014785	LDA \$22
6CE1	C911	014790	CMF #\$11
6CE3	F008	014795	BEQ DRAWA
6CE5	C912	014800	CMF #\$12
6CE7	F003	014805	BEQ DRAWB
6CE9	A084	014810	LDY #\$84
6CEB	60	014815	RTS
6CEC	E8	014820	DRAWB INX
6CED	8EB702	014825	DRAWA STX \$02B7
6CF0	A554	014830	LDA \$54
6CF2	8560	014835	STA \$60
6CF4	A555	014840	LDA \$55
6CF6	8561	014845	STA \$61
6CF8	A556	014850	LDA \$56
6CFA	8562	014855	STA \$62
6CFC	A901	014860	LDA #1
6CFE	8579	014865	STA \$79
6D00	857A	014870	STA \$7A
6D02	38	014875	SEC
6D03	A560	014880	LDA \$60
6D05	E55A	014885	SBC \$5A
6D07	8576	014890	STA \$76
6D09	B00D	014895	BCS DRAW1
6D0B	A9FF	014900	LDA #\$FF
6D0D	8579	014905	STA \$79
6D0F	A576	014910	LDA \$76
6D11	49FF	014915	EOR #\$FF
6D13	18	014920	CLC
6D14	6901	014925	ADC #1
6D16	8576	014930	STA \$76
6D18	38	014935	DRAW1 SEC
6D19	A561	014940	LDA \$61
6D1B	E55B	014945	SBC \$5B
6D1D	8577	014950	STA \$77
6D1F	A562	014955	LDA \$62
6D21	E55C	014960	SBC \$5C
6D23	8578	014965	STA \$78
6D25	B016	014970	BCS DRAW2
6D27	A9FF	014975	LDA #\$FF
6D29	857A	014980	STA \$7A
6D2B	A577	014985	LDA \$77
6D2D	49FF	014990	EOR #\$FF
6D2F	8577	014995	STA \$77
6D31	A578	015000	LDA \$78
6D33	49FF	015005	EOR #\$FF
6D35	8578	015010	STA \$78
6D37	E677	015015	INC \$77
6D39	D002	015020	BNE DRAW2
6D3B	E678	015025	INC \$78
6D3D	A202	015030	DRAW2 LDX #2
6D3F	A000	015035	LDY #0

6D41	8473	015040	STY \$73
6D43	98	015045	DRAW3A TYA
6D44	9570	015050	STA \$70,X
6D46	B55A	015055	LDA \$5A,X
6D48	9554	015060	STA \$54,X
6D4A	CA	015065	DEX
6D4B	10F6	015070	BPL DRAW3A
6D4D	A577	015075	LDA \$77
6D4F	E8	015080	INX
6D50	A8	015085	TAY
6D51	A578	015090	LDA \$78
6D53	857F	015095	STA \$7F
6D55	8575	015100	STA \$75
6D57	D00A	015105	BNE DRAW3
6D59	A577	015110	LDA \$77
6D5B	C576	015115	CMP \$76
6D5D	B004	015120	BCS DRAW3
6D5F	A476	015125	LDY \$76
6D61	A202	015130	LDX #2
6D63	98	015135	DRAW3 TYA
6D64	857E	015140	STA \$7E
6D66	8574	015145	STA \$74
6D68	48	015150	PHA
6D69	A575	015155	LDA \$75
6D6B	4A	015160	LSR A
6D6C	68	015165	PLA
6D6D	6A	015170	ROR A
6D6E	9570	015175	STA \$70,X
6D70	A57E	015180	DRAW4A LDA \$7E
6D72	057F	015185	ORA \$7F
6D74	D003	015190	BNE DRAW11
6D76	4C22FE	015195	JMP DRAW10
6D79	18	015200	DRAW11 CLC
6D7A	A570	015205	LDA \$70
6D7C	6576	015210	ADC \$76
6D7E	8570	015215	STA \$70
6D80	9002	015220	BCC DRAW5
6D82	E671	015225	INC \$71
6D84	A571	015230	DRAW5 LDA \$71
6D86	C575	015235	CMP \$75
6D88	9014	015240	BCC DRAW6
6D8A	D006	015245	BNE DRAW5A
6D8C	A570	015250	LDA \$70
6D8E	C574	015255	CMP \$74
6D90	900C	015260	BCC DRAW6
6D92	18	015265	DRAW5A CLC
6D93	A554	015270	LDA \$54
6D95	6579	015275	ADC \$79
6D97	8554	015280	STA \$54
6D99	A200	015285	LDX #0
6D9B	207AFA	015290	JSR SUBEND
6D9E	18	015295	DRAW6 CLC
6D9F	A572	015300	LDA \$72
6DA1	6577	015305	ADC \$77
6DA3	8572	015310	STA \$72
6DA5	A573	015315	LDA \$73
6DA7	6578	015320	ADC \$78
6DA9	8573	015325	STA \$73

6DAB C575	015330	CMF \$75
6DAD 9027	015335	BCC DRAW8
6DAF D006	015340	BNE DRAW6A
6DB1 A572	015345	LDA \$72
6DB3 C574	015350	CMF \$74
6DB5 901F	015355	BCC DRAW8
6DB7 247A	015360	DRAW6A BIT \$7A
6DB9 1010	015365	BPL DRAW6B
6DBB C655	015370	DEC \$55
6DBD A555	015375	LDA \$55
6DBF C9FF	015380	CMF #\$FF
6DC1 D00E	015385	BNE DRAW7
6DC3 A556	015390	LDA \$56
6DC5 F00A	015395	BEQ DRAW7
6DC7 C656	015400	DEC \$56
6DC9 1006	015405	BPL DRAW7
6DCB E655	015410	DRAW6B INC \$55
6DCD D002	015415	BNE DRAW7
6DCF E656	015420	INC \$56
6DD1 A202	015425	DRAW7 LDX #2
6DD3 207AFA	015430	JSR SUBEND
6DD6 2096FA	015435	DRAW8 JSR RANGE
6DD9 20E0F5	015440	JSR OUTPLT
6DDC ADB702	015445	LDA \$02B7
6DDF F02F	015450	BEQ DRAW9
6DE1 2085FC	015455	JSR PHACRS
6DE4 ADFB02	015460	LDA \$02FB
6DE7 8DBC02	015465	STA \$02BC
6DEA A554	015470	DRAW8A LDA \$54
6DEC 48	015475	PHA
6DED 20DCF9	015480	JSR INCRSA
6DF0 68	015485	PLA
6DF1 8554	015490	STA \$54
6DF3 2096FA	015495	DRAW8C JSR RANGE
6DF6 20A2F5	015500	JSR GETPLT
6DF9 D00C	015505	BNE DRAW8B
6DFB ADFD02	015510	LDA \$02FD
6DFE 8DFB02	015515	STA \$02FB
6E01 20E0F5	015520	JSR OUTPLT
6E04 4CEAFD	015525	JMP DRAW8A
6E07 ADBC02	015530	DRAW8B LDA \$02BC
6E0A 8DFB02	015535	STA \$02FB
6E0D 2090FC	015540	JSR FLACRS
6E10 38	015545	DRAW9 SEC
6E11 A57E	015550	LDA \$7E
6E13 E901	015555	SBC #1
6E15 857E	015560	STA \$7E
6E17 A57F	015565	LDA \$7F
6E19 E900	015570	SBC #0
6E1B 857F	015575	STA \$7F
6E1D 3003	015580	BMI DRAW10
6E1F 4C70FD	015585	JMP DRAW4A
6E22 4C34F6	015590	DRAW10 JMP RETUR1
6E25 18100A0A	015595	ALOCAT .BYTE 24,16,10,10,16,28,52,100,196,196,196,196
6E29 101C3464		
6E2D C4C4C4C4		
6E31 1C1064C4	015600	.BYTE 28,16,100,196
6E35 17170B17	015605	NUMDLE .BYTE 23,23,11,23,47,47,95,95,97,97,97,97

6E39	2F2F5F5F	
6E3D	61616161	
6E41	170BBF61	015610 .BYTE 23,11,191,97
6E45	13130913	015615 MXDMDE .BYTE 19,19,9,19,39,39,79,79,65,65,65,65
6E49	27274F4F	
6E4D	41414141	
6E51	13099F41	015620 .BYTE 19,9,159,65
6E55	02060708	015625 ANCONV .BYTE 2,6,7,8,9,10,11,13,15,15,15,15
6E59	090A0B0D	
6E5D	0F0F0F0F	
6E61	04050C0E	015630 .BYTE 4,5,12,14
6E65	00000000	015635 PAGETB .BYTE 0,0,0,0,0,0,0,1,1,1,1,1
6E69	00000001	
6E6D	01010101	
6E71	00000101	015640 .BYTE 0,0,1,1
6E75	02010100	015645 DHLINE .BYTE 2,1,1,0,0,1,1,2,2,2,2,2
6E79	00010102	
6E7D	02020202	
6E81	02020102	015650 .BYTE 2,2,1,2
6E85	28141428	015655 COLUMN .BYTE 40,20,20,40,80,80,160,160,64,80,80,80
6E89	5050A0A0	
6E8D	40505050	
6E91	2828A0A0	015660 .BYTE 40,40,160,160
6E95	18180C18	015665 NOROWS .BYTE 24,24,12,24,48,48,96,96,192,192,192,192
6E99	30306060	
6E9D	C0C0C0C0	
6EA1	180CC0C0	015670 .BYTE 24,12,192,192
6EA5	00000002	015675 DIV2TB .BYTE 0,0,0,2,3,2,3,2,3,1,1,1
6EA9	03020302	
6EAD	03010101	
6EB1	00000302	015680 .BYTE 0,0,3,2
6EB5	00FFFF0F	015685 DMASKT .BYTE 0,\$FF,\$F0,\$0F,\$C0,\$30,\$0C,3
6EB9	C0300C03	
6EBD	80402010	015690 MASKTB .BYTE \$80,\$40,\$20,\$10,8,4,2,1,0,1,3,7
6EC1	08040201	
6EC5	00010307	
6EC9	28CA9046	015695 COLRTB .BYTE \$28,\$CA,\$90,\$46,0
6ECD	00	
6ECE	1B	015700 CNTRLS .BYTE \$1B
6ECF	79F7	015705 .WORD ESCAPE
6ED1	1C	015710 .BYTE \$1C
6ED2	7FF7	015715 .WORD CRSRUP
6ED4	1D	015720 .BYTE \$1D
6ED5	8CF7	015725 .WORD CRSRDN
6ED7	1E	015730 .BYTE \$1E
6ED8	99F7	015735 .WORD CRSRLF
6EDA	1F	015740 .BYTE \$1F
6EDB	AAF7	015745 .WORD CRSRRT
6EDD	7D	015750 .BYTE \$7D
6EDE	B9F7	015755 .WORD CLRSCR
6EE0	7E	015760 .BYTE \$7E
6EE1	E6F7	015765 .WORD BS
6EE3	7F	015770 .BYTE \$7F
6EE4	10F8	015775 .WORD TAB
6EE6	9B	015780 .BYTE \$9B
6EE7	30FA	015785 .WORD DOCRWS
6EE9	9C	015790 .BYTE \$9C
6EEA	D4F8	015795 .WORD DELLIN

6EEC 9D	015800	.BYTE \$9D
6EED A4F8	015805	.WORD INSLIN
6EEF 9E	015810	.BYTE \$9E
6EF0 32F8	015815	.WORD CLRTAB
6EF2 9F	015820	.BYTE \$9F
6EF3 2DF8	015825	.WORD SETTAB
6EF5 FD	015830	.BYTE \$FD
6EF6 0AF9	015835	.WORD BELL
6EF8 FE	015840	.BYTE \$FE
6EF9 6DF8	015845	.WORD DELCHR
6EFB FF	015850	.BYTE \$FF
6EFC 37F8	015855	.WORD INSCR
6EFE 6C6A3B80	015860	ATASCI .BYTE \$6C,\$6A,\$3B,\$80,\$80,\$6B,\$2B,\$2A
6F02 806B2B2A		
6F06 6F807075	015865	.BYTE \$6F,\$80,\$70,\$75,\$9B,\$69,\$2D,\$3D
6F0A 9B692D3D		
6F0E 76806380	015870	.BYTE \$76,\$80,\$63,\$80,\$80,\$62,\$78,\$7A
6F12 8062787A		
6F16 34803336	015875	.BYTE \$34,\$80,\$33,\$36,\$1B,\$35,\$32,\$31
6F1A 1B353231		
6F1E 2C202E6E	015880	.BYTE \$2C,\$20,\$2E,\$6E,\$80,\$6D,\$2F,\$81
6F22 806D2F81		
6F26 72806579	015885	.BYTE \$72,\$80,\$65,\$79,\$7F,\$74,\$77,\$71
6F2A 7F747771		
6F2E 39803037	015890	.BYTE \$39,\$80,\$30,\$37,\$7E,\$38,\$3C,\$3E
6F32 7E383C3E		
6F36 66686480	015895	.BYTE \$66,\$68,\$64,\$80,\$82,\$67,\$73,\$61
6F3A 82677361		
6F3E 4C4A3A80	015900	.BYTE \$4C,\$4A,\$3A,\$80,\$80,\$4B,\$5C,\$5E
6F42 804B5C5E		
6F46 4F805055	015905	.BYTE \$4F,\$80,\$50,\$55,\$9B,\$49,\$5F,\$7C
6F4A 9B495F7C		
6F4E 56804380	015910	.BYTE \$56,\$80,\$43,\$80,\$80,\$42,\$58,\$5A
6F52 8042585A		
6F56 24802326	015915	.BYTE \$24,\$80,\$23,\$26,\$1B,\$25,\$22,\$21
6F5A 1B252221		
6F5E 5B205D4E	015920	.BYTE \$5B,\$20,\$5D,\$4E,\$80,\$4D,\$3F,\$81
6F62 804D3F81		
6F66 52804559	015925	.BYTE \$52,\$80,\$45,\$59,\$9F,\$54,\$57,\$51
6F6A 9F545751		
6F6E 28802927	015930	.BYTE \$28,\$80,\$29,\$27,\$9C,\$40,\$7D,\$9D
6F72 9C407D9D		
6F76 46484480	015935	.BYTE \$46,\$48,\$44,\$80,\$83,\$47,\$53,\$41
6F7A 83475341		
6F7E 0C0A7B80	015940	.BYTE \$0C,\$0A,\$7B,\$80,\$80,\$0B,\$1E,\$1F
6F82 800B1E1F		
6F86 0F801015	015945	.BYTE \$0F,\$80,\$10,\$15,\$9B,\$09,\$1C,\$1D
6F8A 9B091C1D		
6F8E 16800380	015950	.BYTE \$16,\$80,\$03,\$80,\$80,\$02,\$18,\$1A
6F92 8002181A		
6F96 80808580	015955	.BYTE \$80,\$80,\$85,\$80,\$1B,\$80,\$FD,\$80
6F9A 1B80FD80		
6F9E 0020600E	015960	.BYTE \$00,\$20,\$60,\$0E,\$80,\$0D,\$80,\$81
6FA2 800D8081		
6FA6 12800519	015965	.BYTE \$12,\$80,\$05,\$19,\$9E,\$14,\$17,\$11
6FAA 9E141711		
6FAE 80808080	015970	.BYTE \$80,\$80,\$80,\$80,\$FE,\$80,\$7D,\$FF
6FB2 FE807DFF		

6FB6 06080480	015975 .BYTE \$06,\$08,\$04,\$80,\$84,\$07,\$13,\$01
6FBA 84071301	
6FBE AD09D2	015980 PIRQ5 LDA \$D209
6FC1 CDF202	015985 CMP \$02F2
6FC4 D005	015990 BNE PIRQ3
6FC6 ADF102	015995 LDA \$02F1
6FC9 D01E	016000 BNE PIRQ4
6FCB AD09D2	016005 PIRQ3 LDA \$D209
6FCE C99F	016010 CMP #\$9F
6FD0 D00A	016015 BNE PIRQ1
6FD2 ADFF02	016020 LDA \$02FF
6FD5 49FF	016025 EOR #\$FF
6FD7 8DFF02	016030 STA \$02FF
6FDA B00D	016035 BCS PIRQ4
6FDC 8DFC02	016040 PIRQ1 STA \$02FC
6FDF 8DF202	016045 STA \$02F2
6FE2 A901	016050 LDA #1
6FE4 8DF102	016055 STA \$02F1
6FE7 854D	016060 STA \$4D
6FE9 A910	016065 PIRQ4 LDA #\$10
6FEB 8D2B02	016070 STA \$022B
6FEE 68	016075 PIRQ2 PLA
6FEF 40	016080 RTI
6FF0 40002060	016085 ATAINTE .BYTE \$40,0,\$20,\$60
6FF4 20400060	016090 INTATA .BYTE \$20,\$40,0,\$60
6FF8 F3E691E7	016095 .BYTE \$F3,\$E6,\$91,\$E7,\$25,\$F1,\$F3,\$E6
6FFC 25F1F3E6	

ASSEMBLY ERRORS: 0 21135 BYTES FREE